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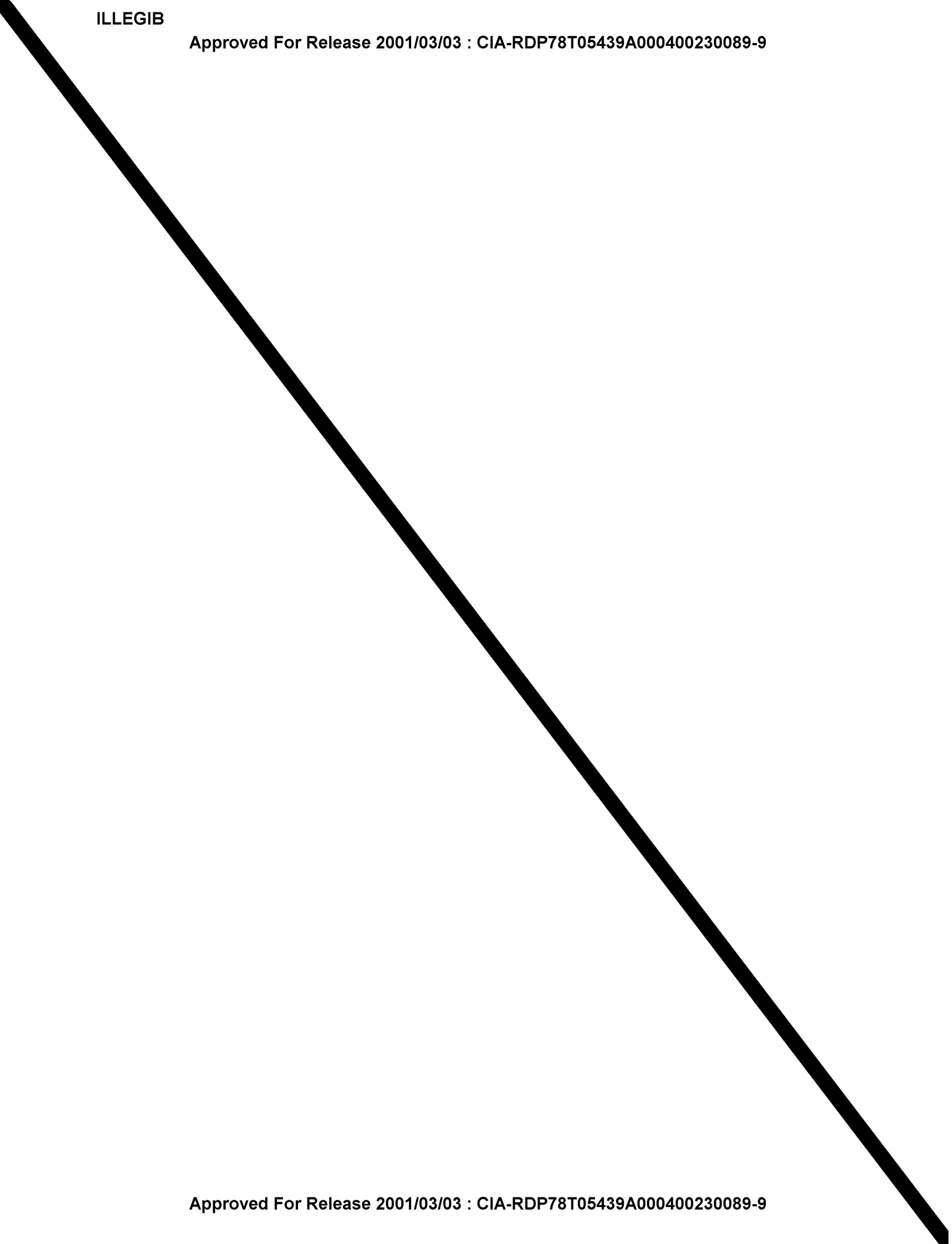

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HANDLE VIA
TALENT-KEYHOLE
CONTROL SYSTEM ONLY

TCS 10913/64
M/EB 565/64
16 December 1964
Copy 2

MEMORANDUM FOR: Chief, Forces Division, ORR

ATTENTION: [redacted] Strategic Missiles Branch 25X1A

THROUGH: Chief, Requirements Branch, Reconnaissance Group, CGS

FROM: Chief, Photo Intelligence Division, CIA

SUBJECT: Construction Timing of Single Silo ICBM Sites, USSR

REFERENCES: (a) Requirement C-RR-4-82,041
(b) CIA/PID Project C 1805-64

1. This memorandum is in response to your requirement dated 20 November 1964 which requests analysis of the coverage of all single silo ICBM sites to determine the construction status of each site at the time of coverage. Stages of construction have been defined by the ORR requester. Forms containing the requested information have been prepared for each site and are enclosed as part of this memorandum.

2. Results of the above tabulated information have revealed the following significant intelligence:

25X1B [redacted]

b. The prototype for the Olovyannaya single silo sites is considered to be Launch Area G 8/9, Complex G, Tyuratam Missile Test Center.

c. Prototype launch sites for the other deployed single silo sites appear to be at Launch Complexes K and I, and a similarity to the silo at Area B-8, Areas A-3 and G-7 cannot be discounted.

d. A good interconnecting road system between the launch sites has yet to develop at any complex; however, a loop road is developing within the launch sites at the Imeni Gastello Complex.

Declass Review by NIMA/DOD

GROUP 1
Excluded from automatic downgrading and declassification

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SUBJECT: Construction Timing of Simple Silo ICBM Sites, USSR

TCS 10913/64
M/MR 565/64

25X1B

[redacted]

25X1B

Launch Area B, Uzhur Complex, also has a generally similar excavation near the silo.

[redacted]

4. The photo analyst on this project is [redacted] who may be contacted on extension 2978 should you have any further questions concerning this project.

25X1A

5. This project is considered to be complete.

[redacted]

Enclosures:
Tables (48 pages)
(CIA/PID/[redacted]-P-1035/64)

25X1A

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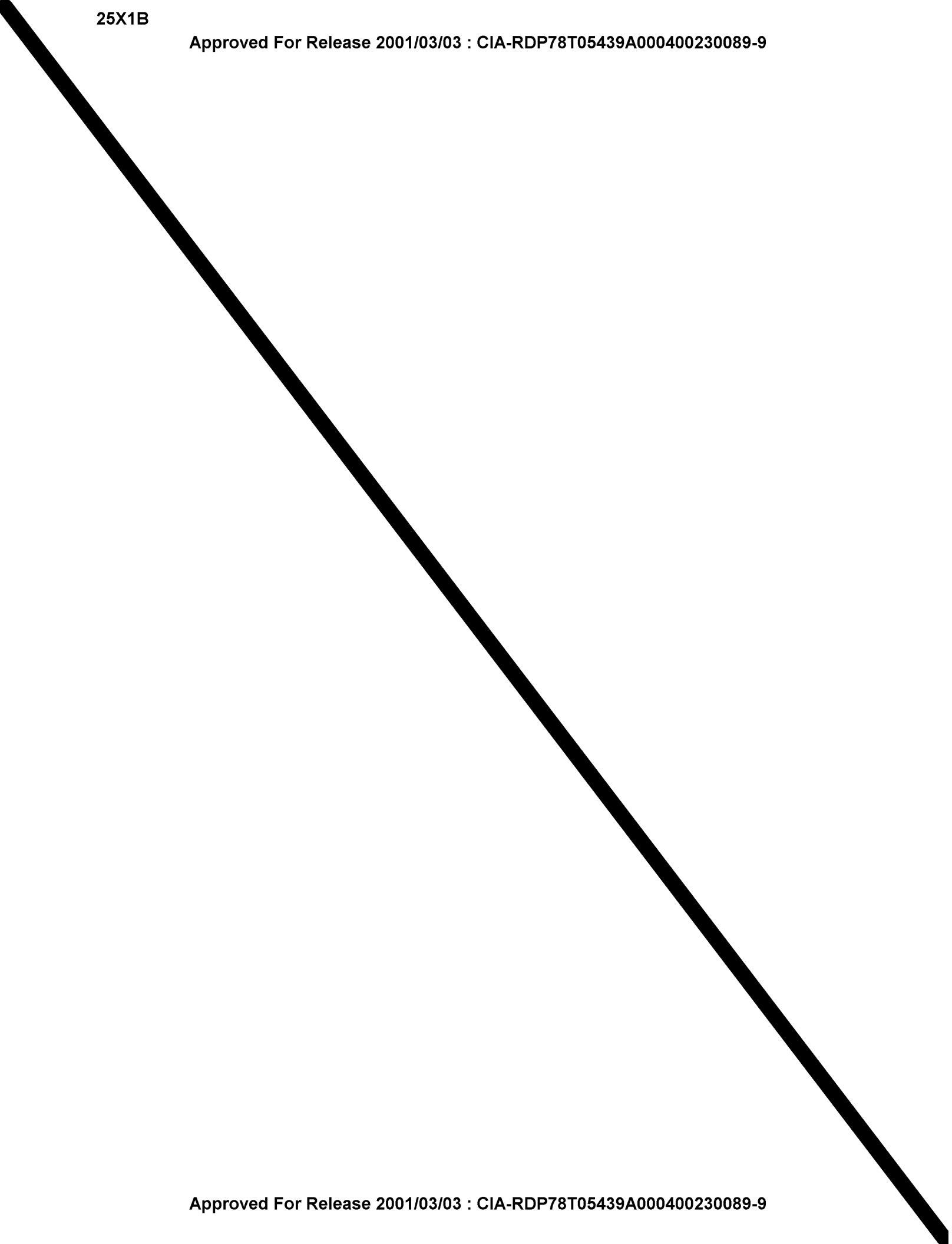

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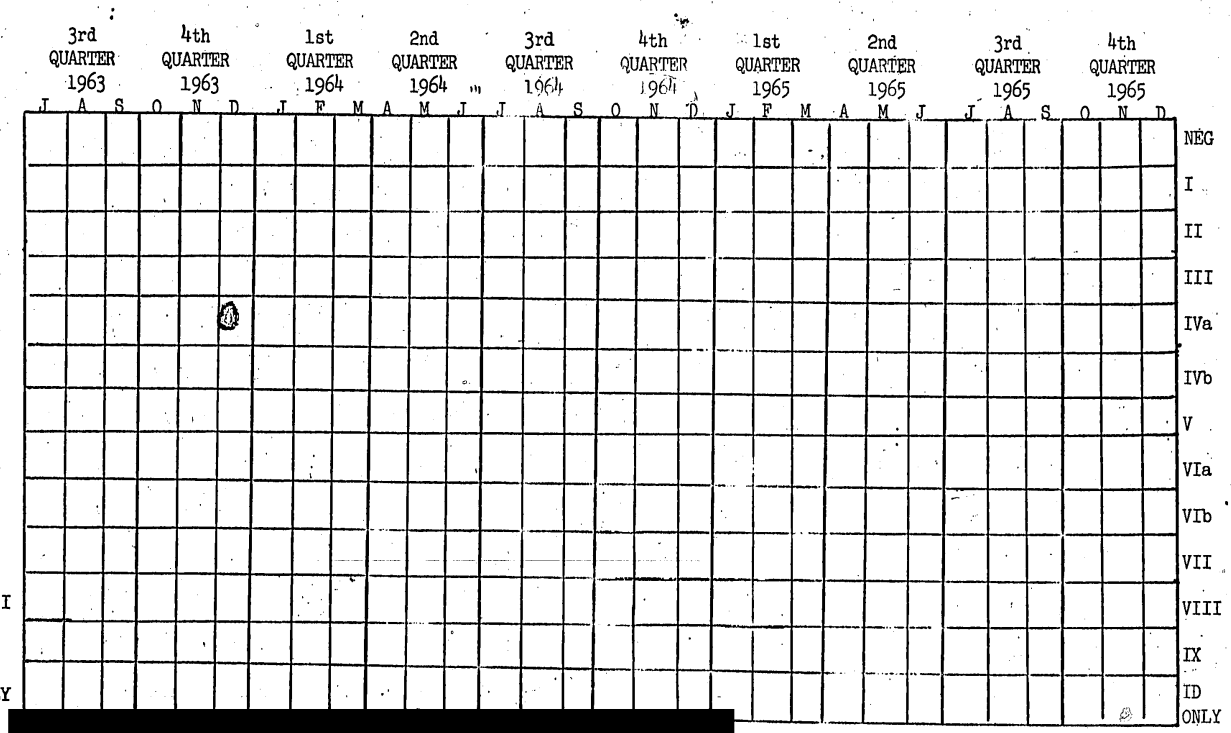
SINGLE SILO ICBM CONSTRUCTION TIMING

COMPLEX _____ LAUNCH AREA _____



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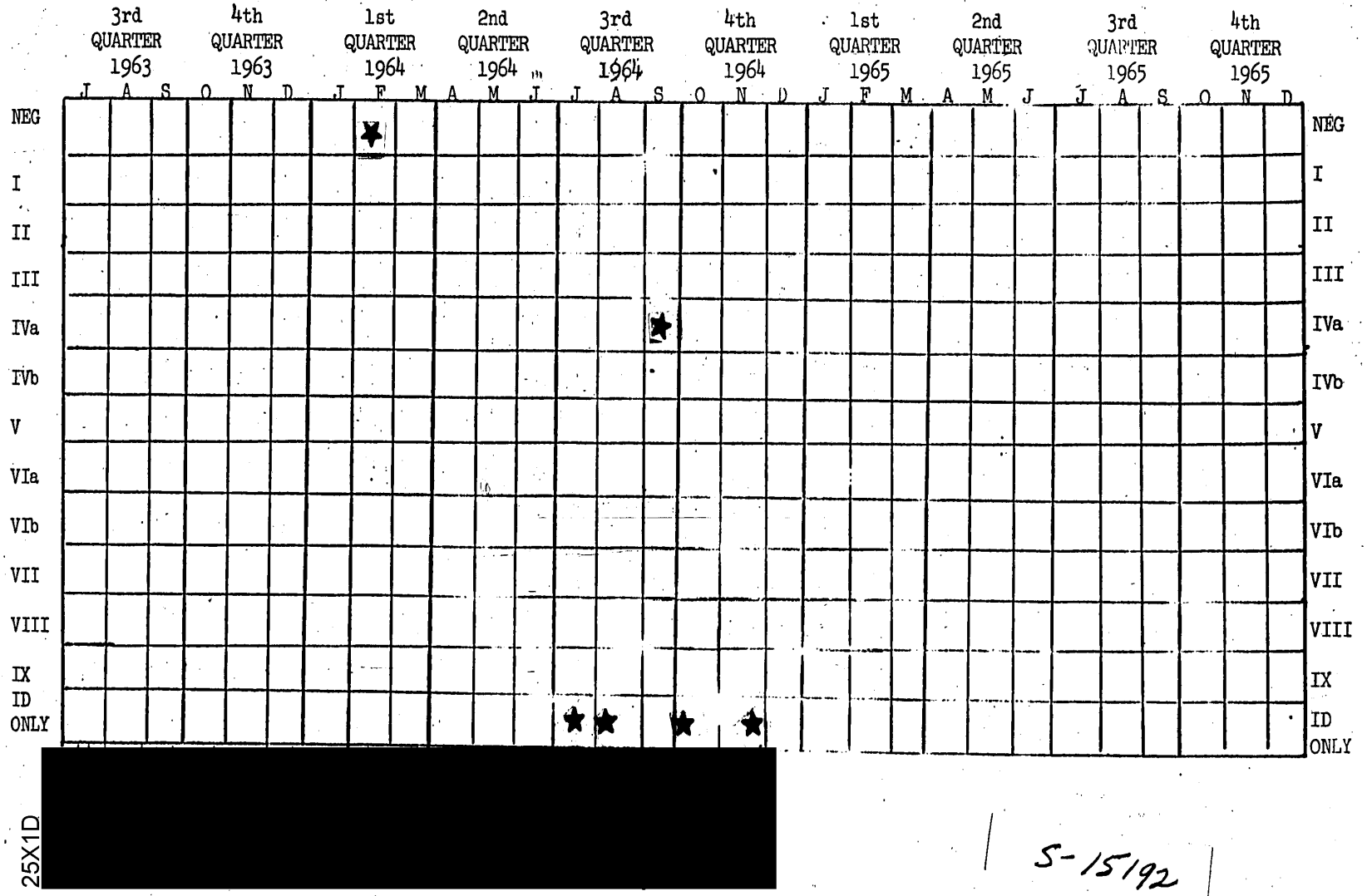
SINGLE SILO ICBM CONSTRUCTION TIMING

COMPLEX UZHUR LAUNCH AREA A



STAGE OF CONSTRUCTION
(See separate legend for stage descriptions)

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MEB 565/65

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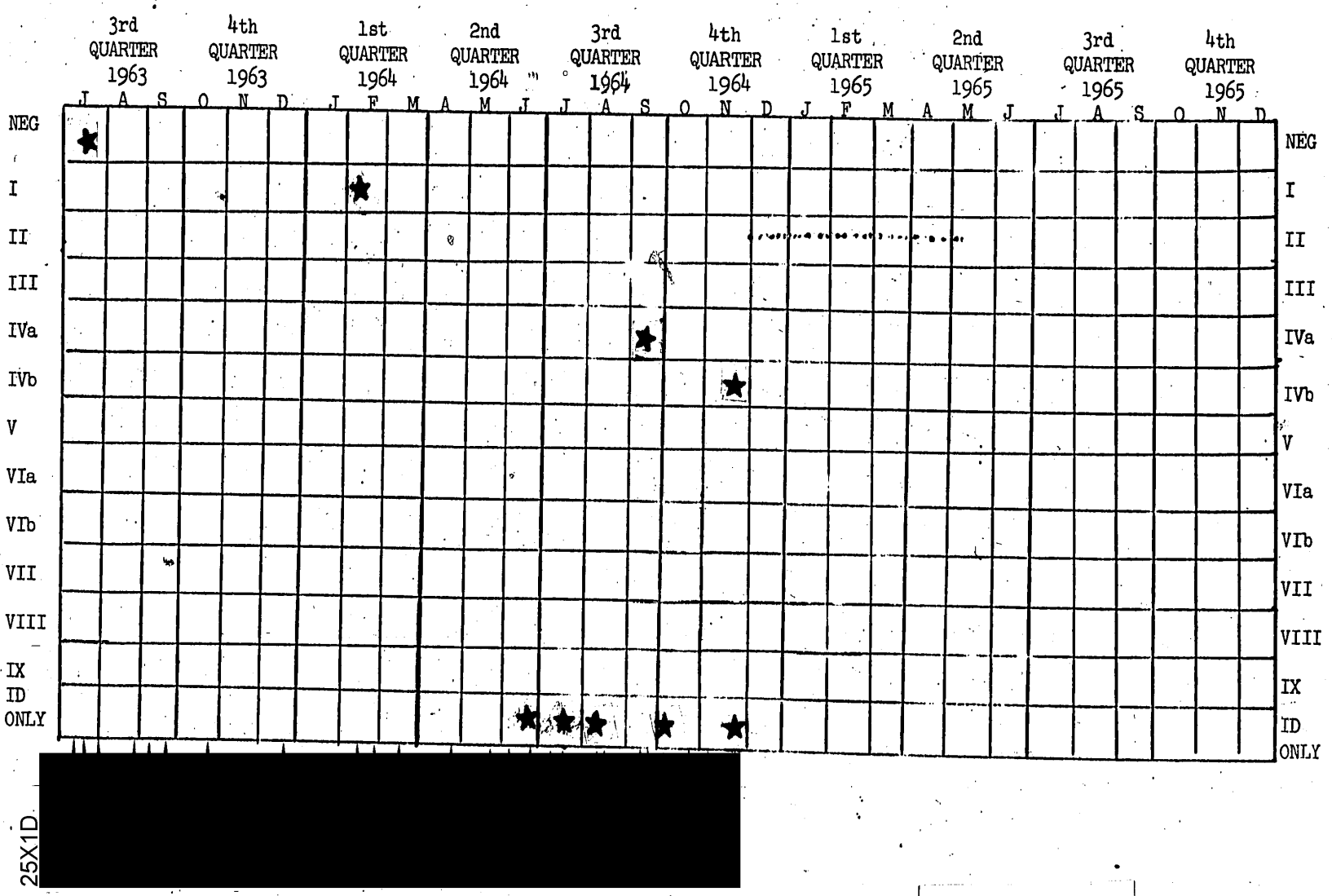
SINGLE SILO ICBM CONSTRUCTION TIMING

COMPLEX UZHUR LAUNCH AREA B



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CIA/PID/MEB-P-1036/6
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MEB 566/6

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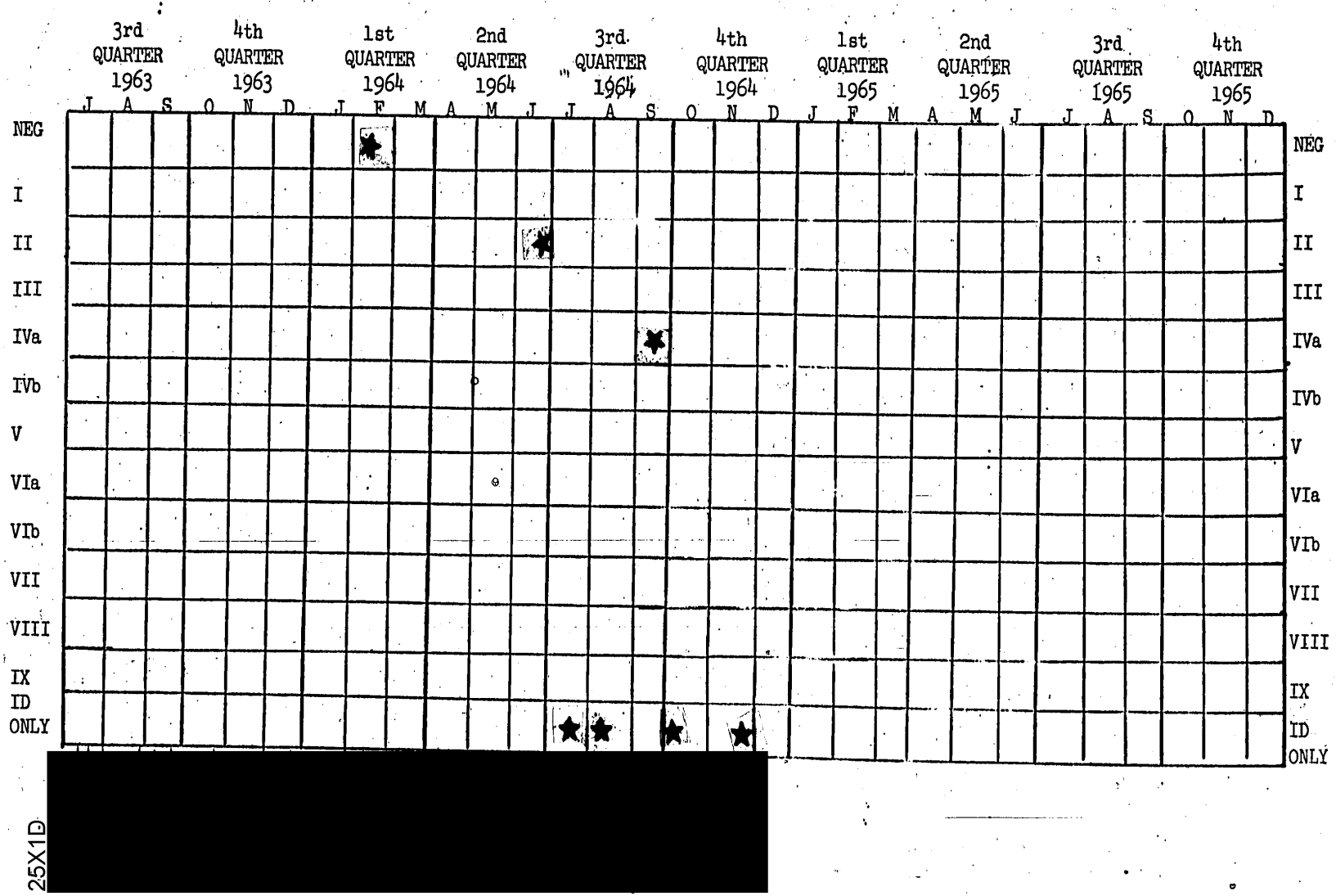
SINGLE SILO ICBM CONSTRUCTION TIMING

COMPLEX UZHUR LAUNCH AREA C



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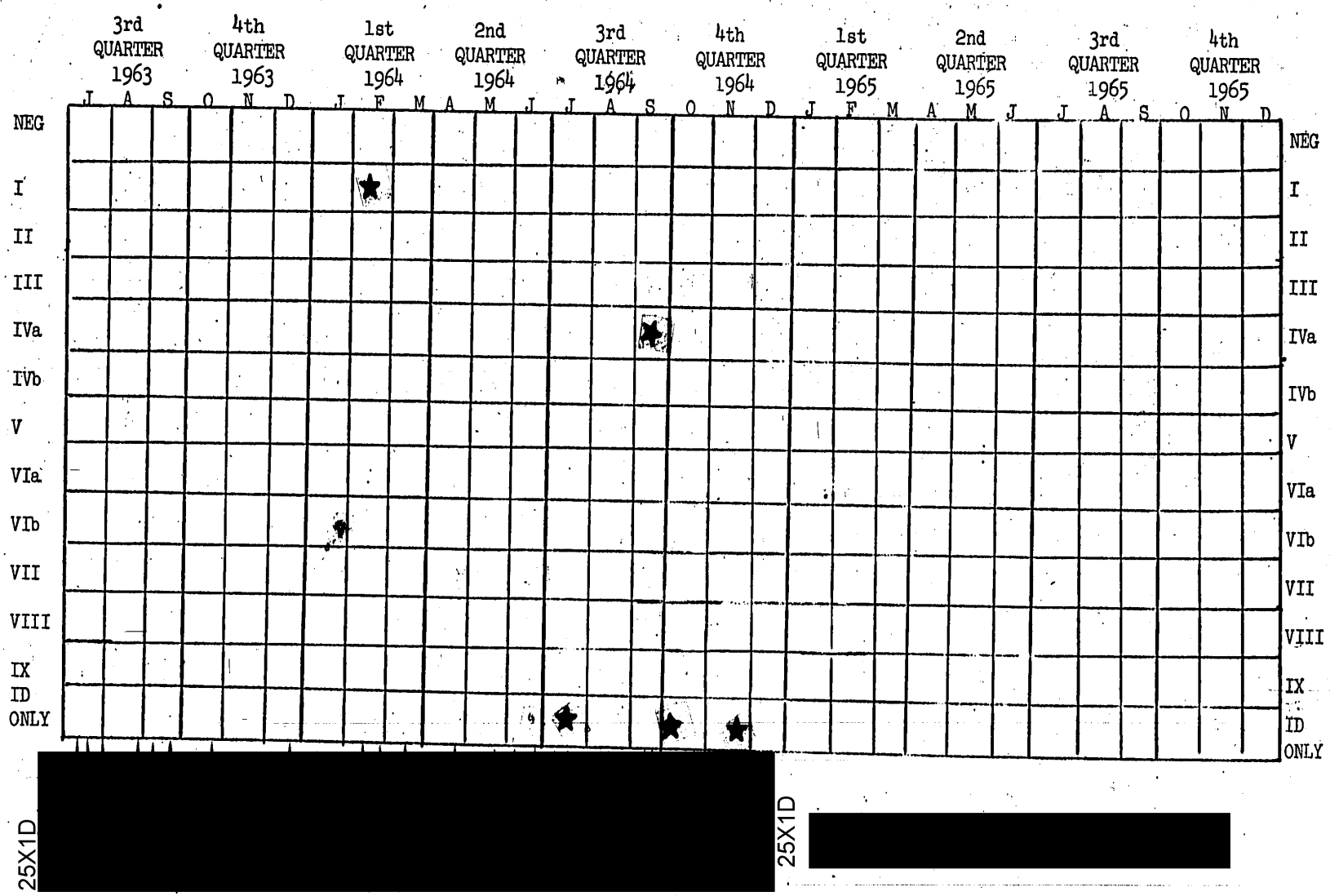
SINGLE SILO ICBM CONSTRUCTION TIMING

COMPLEX UZHUR LAUNCH AREA D



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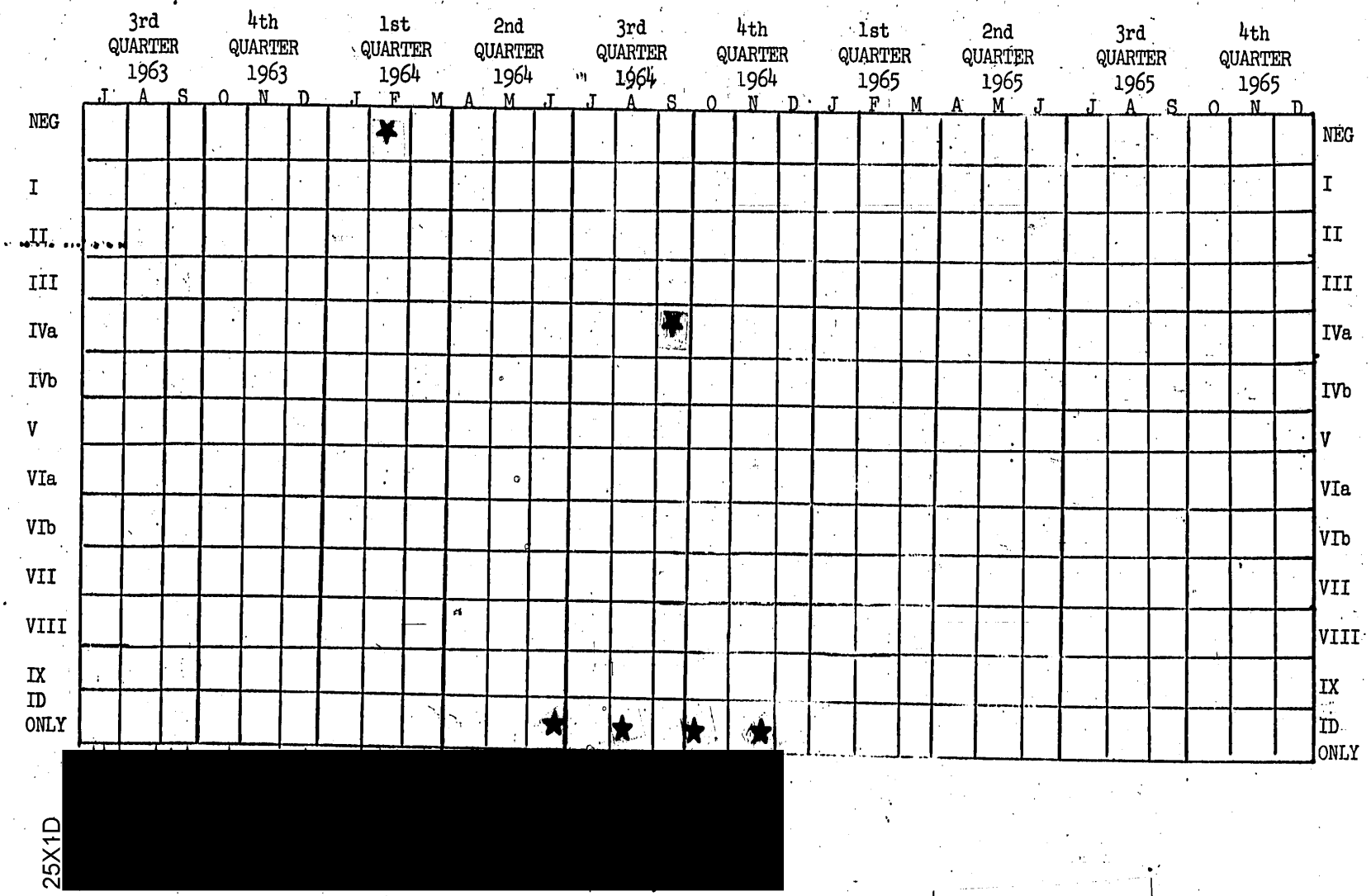
COMPLEX UZHUR LAUNCH AREA E



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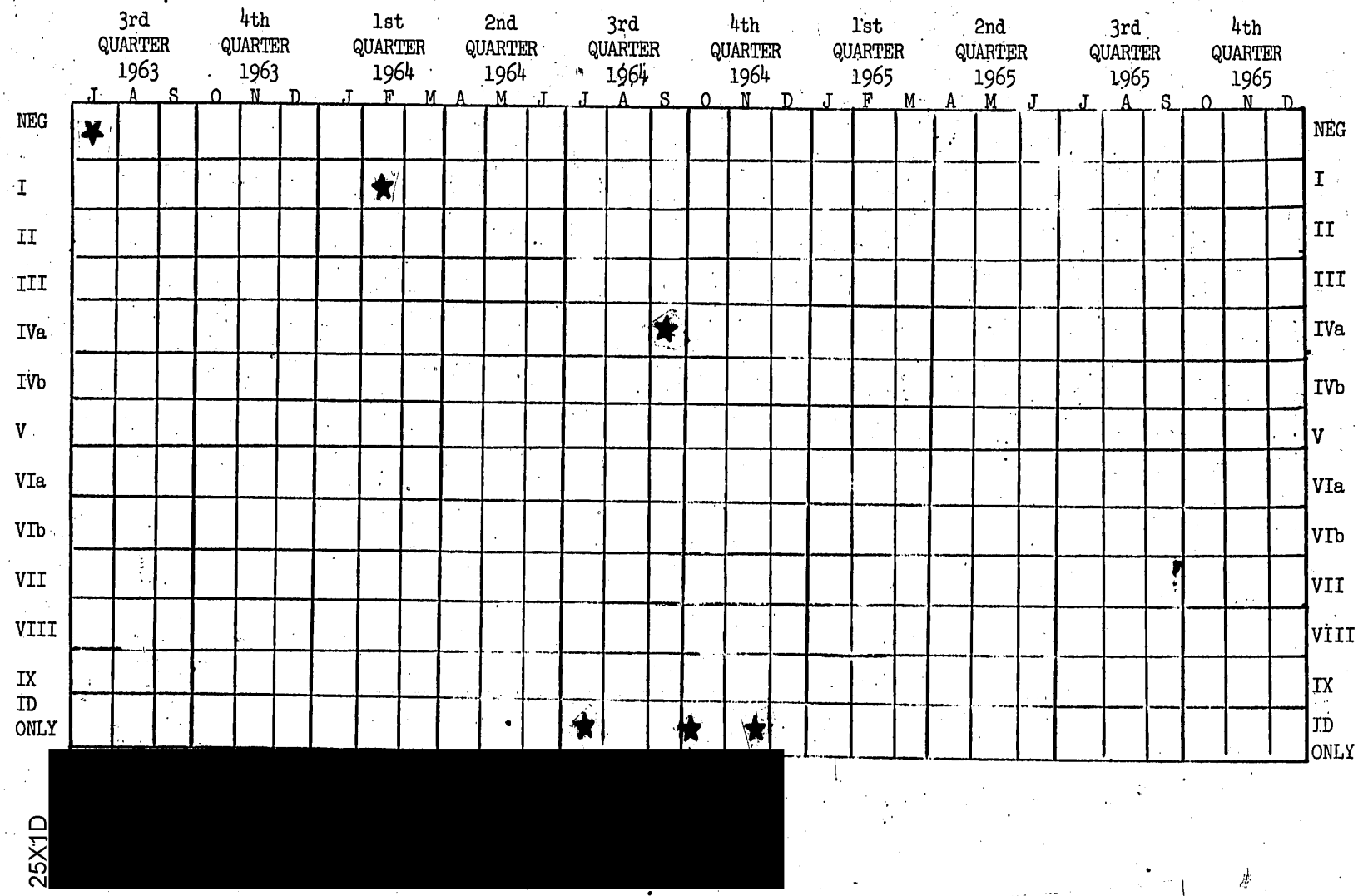
SINGLE SILO ICBM CONSTRUCTION TIMING

COMPLEX UZHUR LAUNCH AREA F



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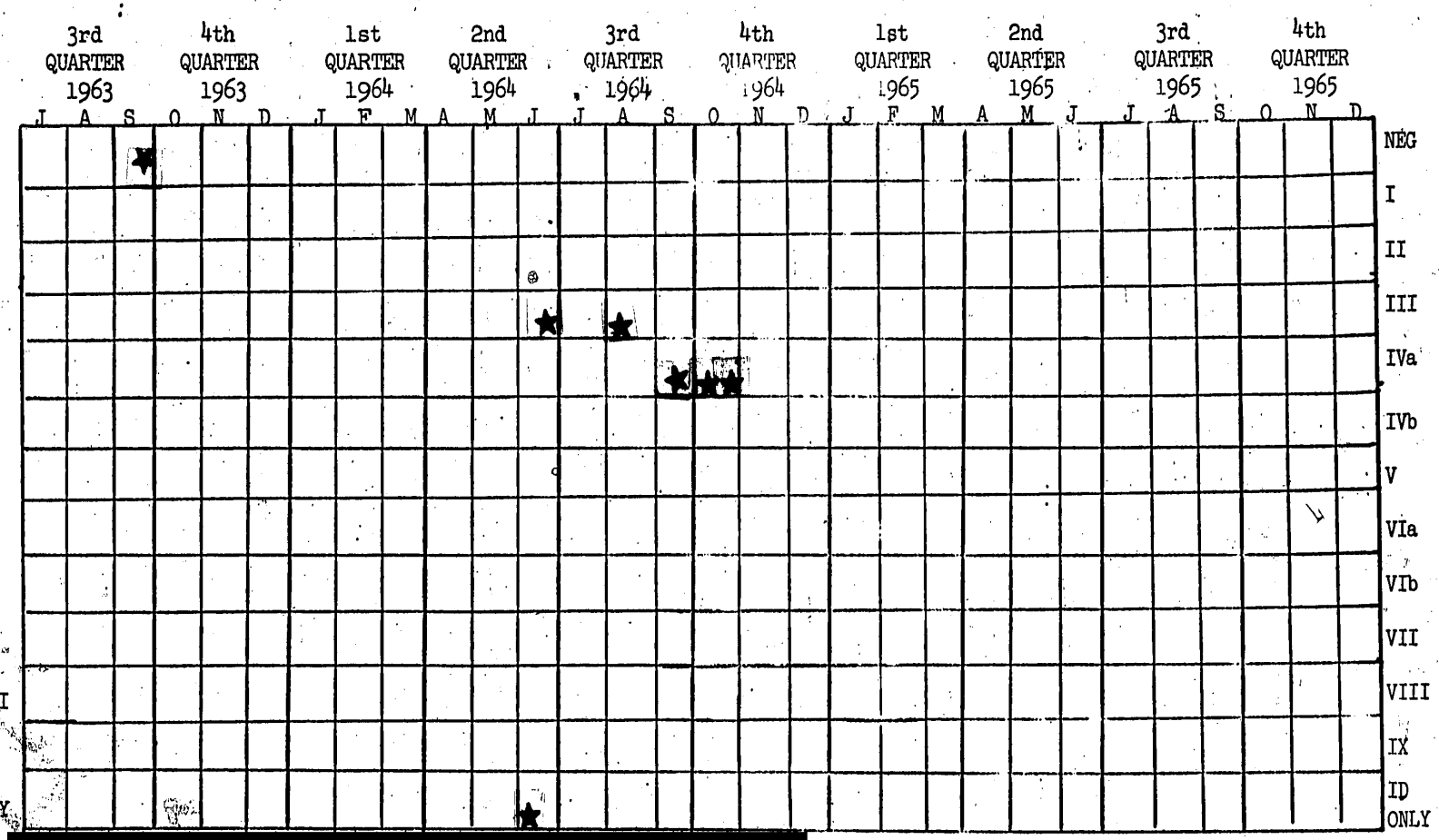
SINGLE SILO ICBM CONSTRUCTION TIMING

COMPLEX DOMBAROVSKIY LAUNCH AREA A



STAGE OF CONSTRUCTION
(See separate legend for stage descriptions)

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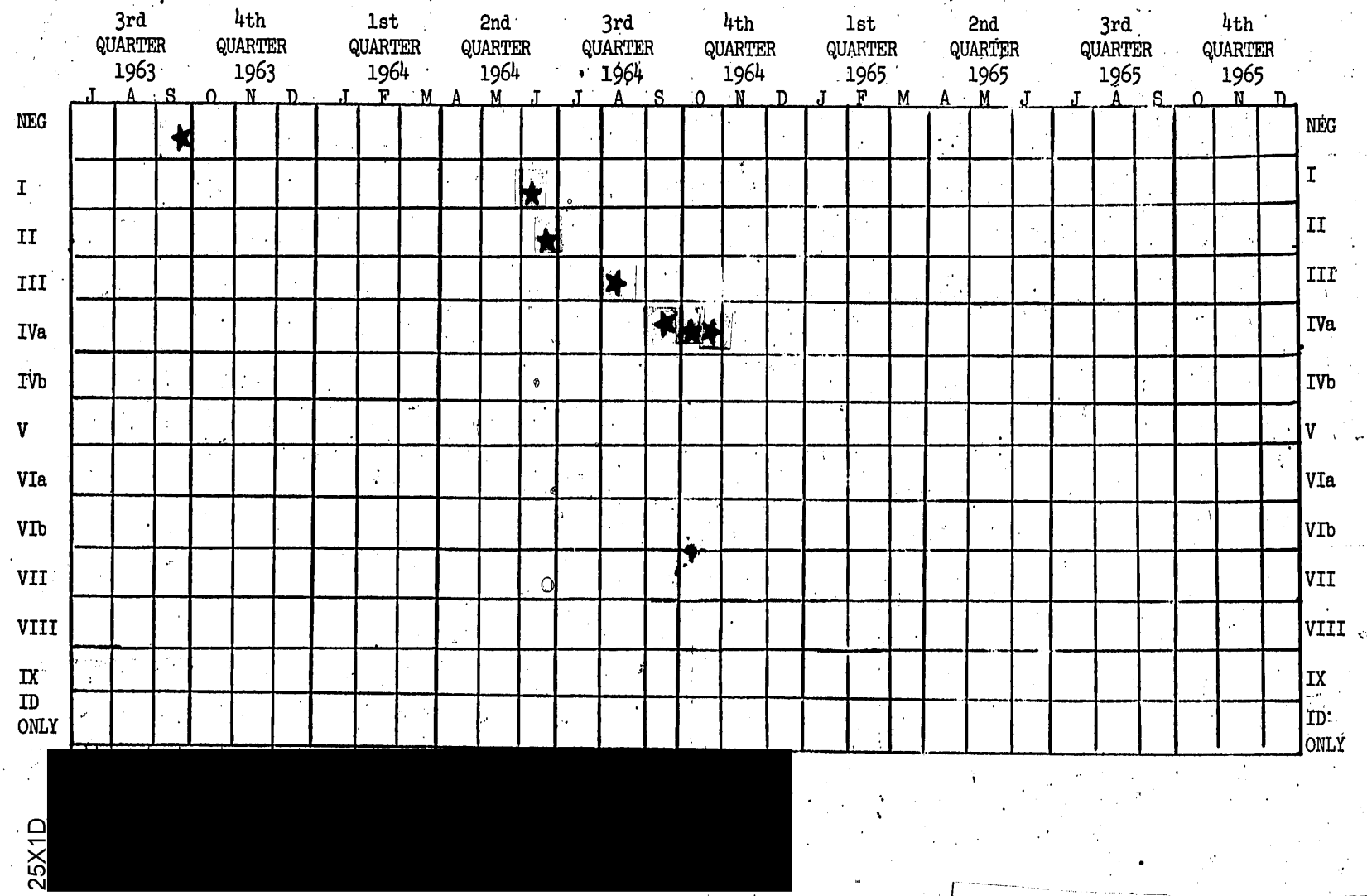
SINGLE SILO ICBM CONSTRUCTION TIMING

COMPLEX DOMBAROVSKIY LAUNCH AREA B



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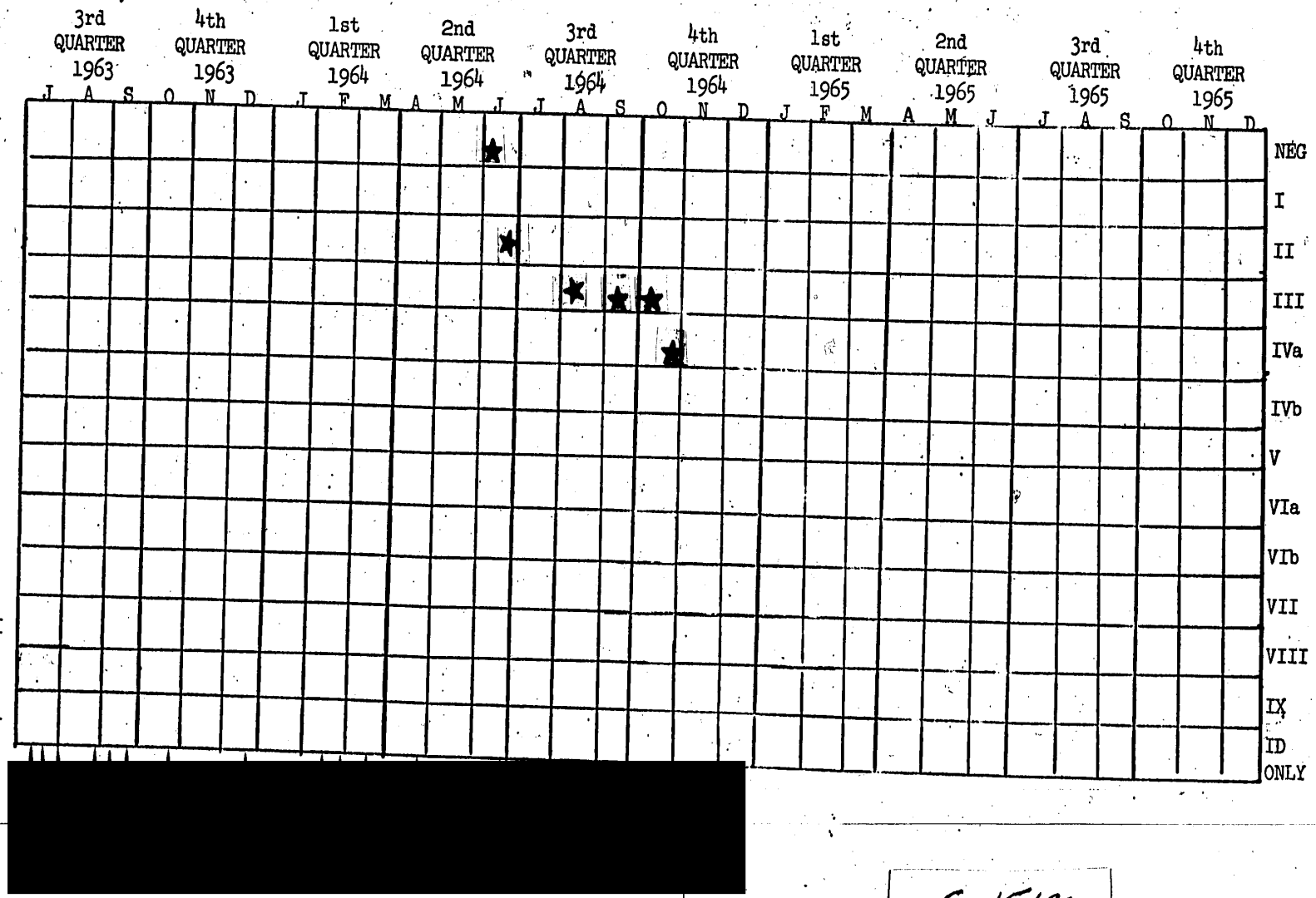
SINGLE SILO ICBM CONSTRUCTION TIMING

COMPLEX DOMBAROVSKIY LAUNCH AREA C



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STAGE OF CONSTRUCTION
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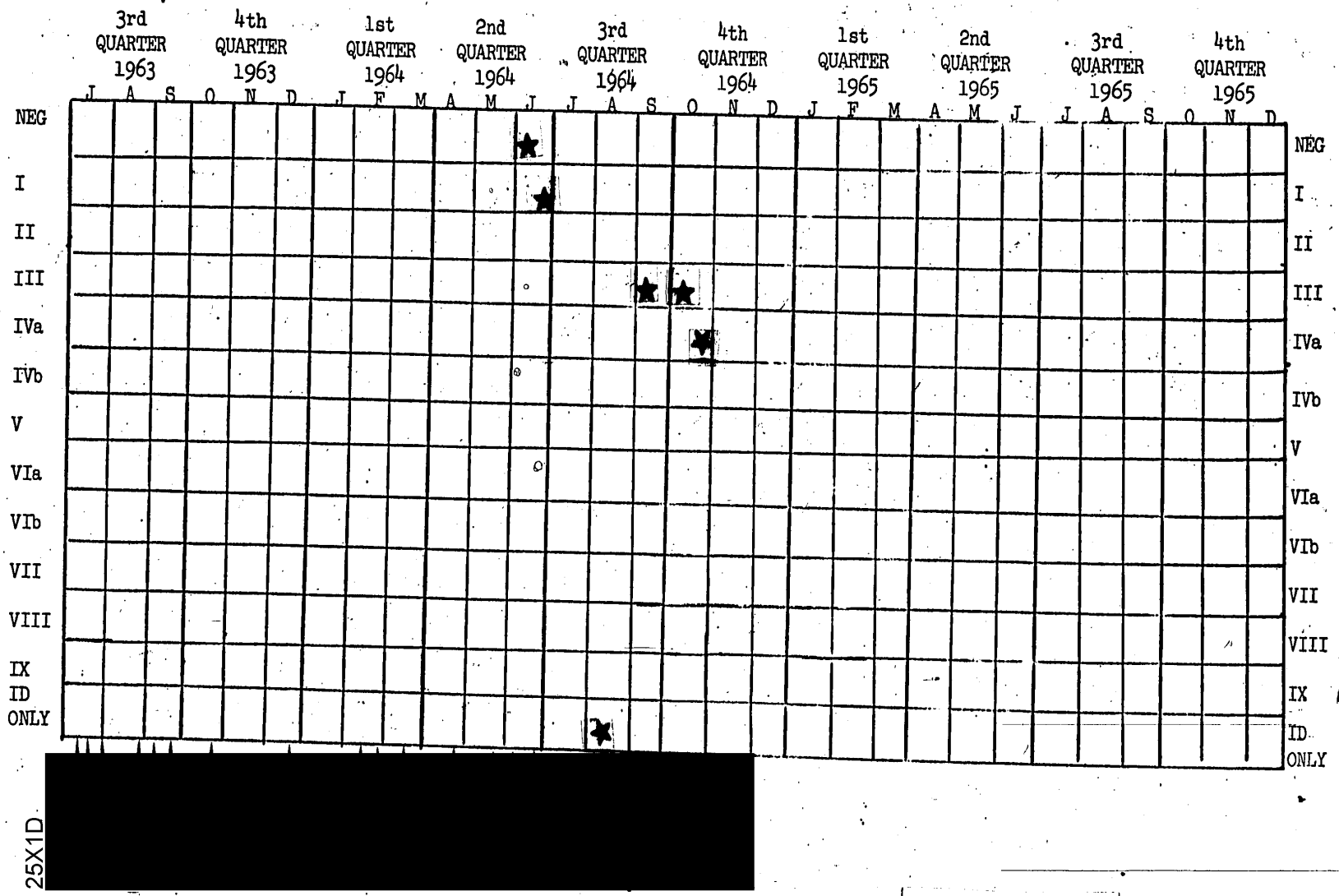
SINGLE SILO ICBM CONSTRUCTION TIMING

COMPLEX DOMBAROVSKIY LAUNCH AREA D



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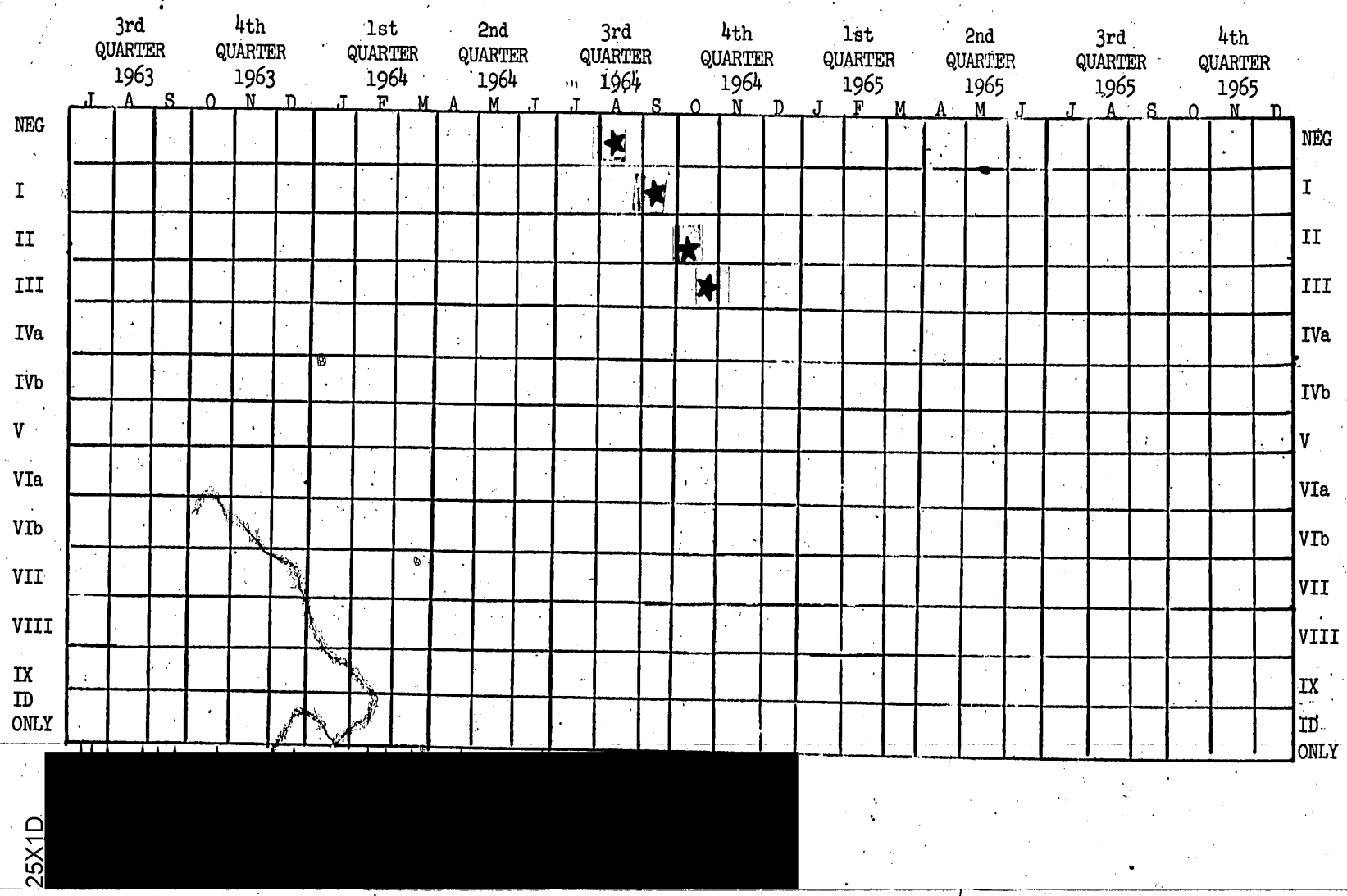
SINGLE SILO ICBM CONSTRUCTION TIMING

COMPLEX DOMBAROVSKIY LAUNCH AREA E



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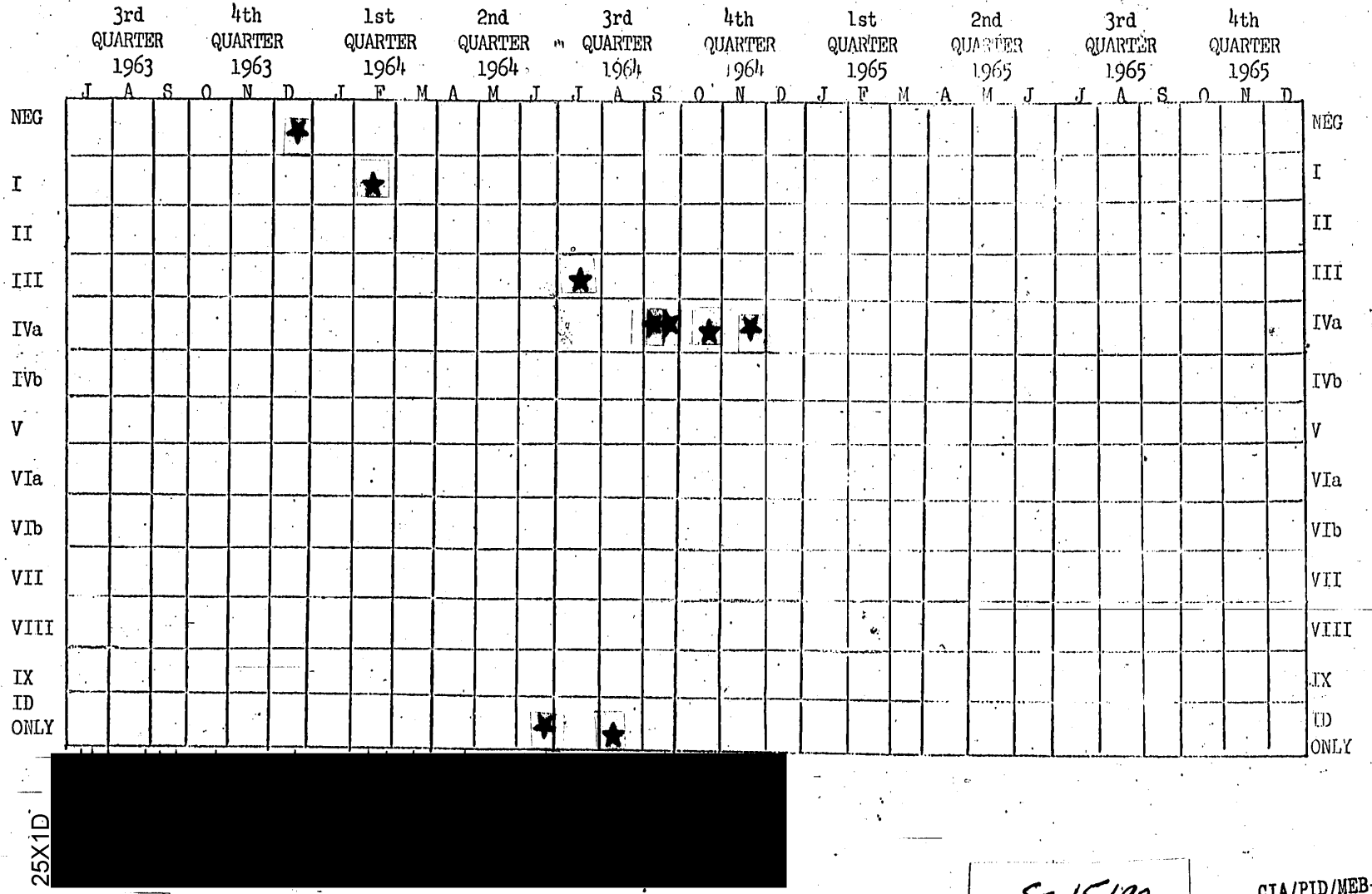
SINGLE SILO ICBM CONSTRUCTION TIMING

COMPLEX ALEYSK LAUNCH AREA A



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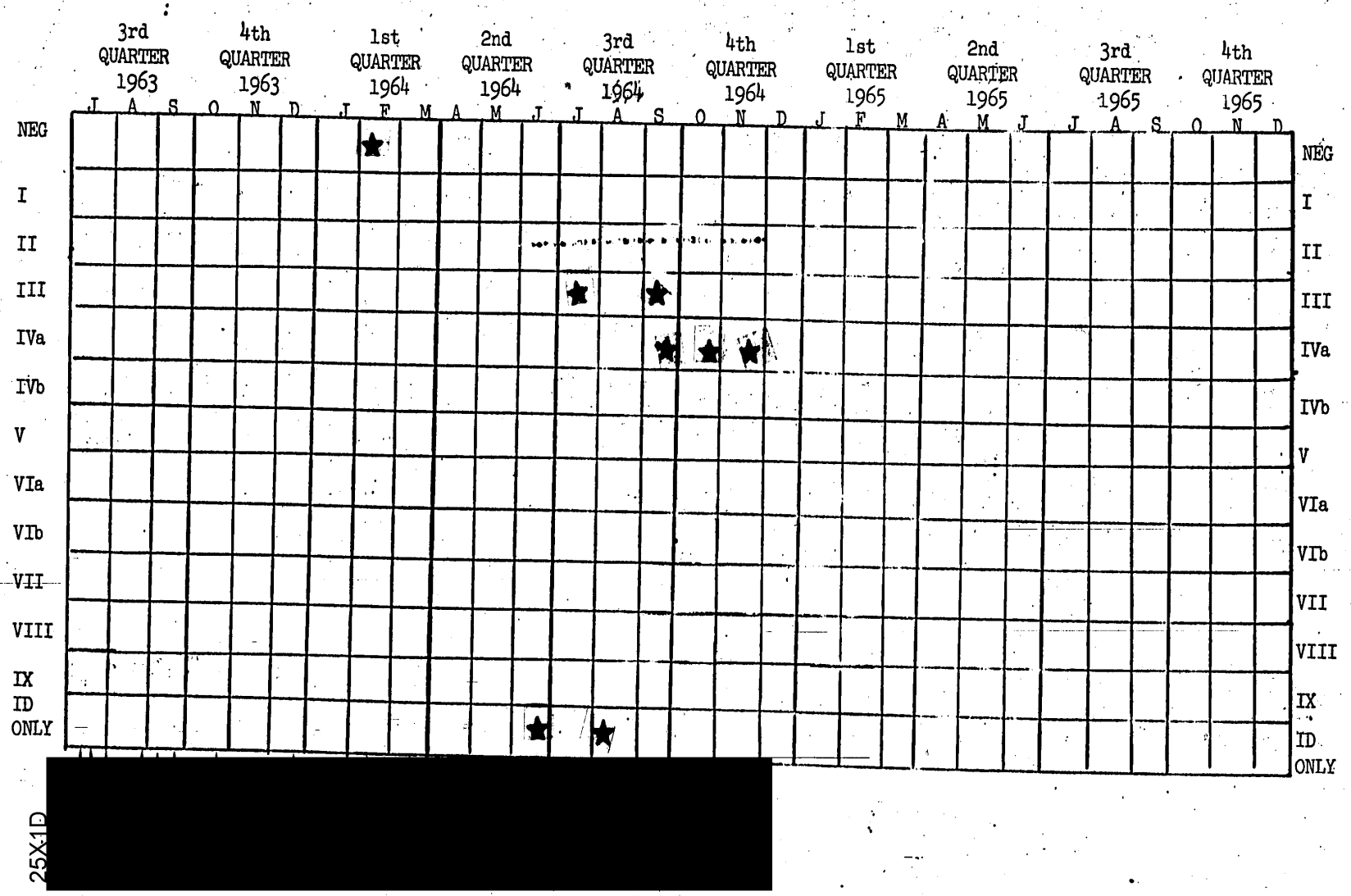
SINGLE SILO ICBM CONSTRUCTION TIMING

COMPLEX ALEYSK

LAUNCH AREA B



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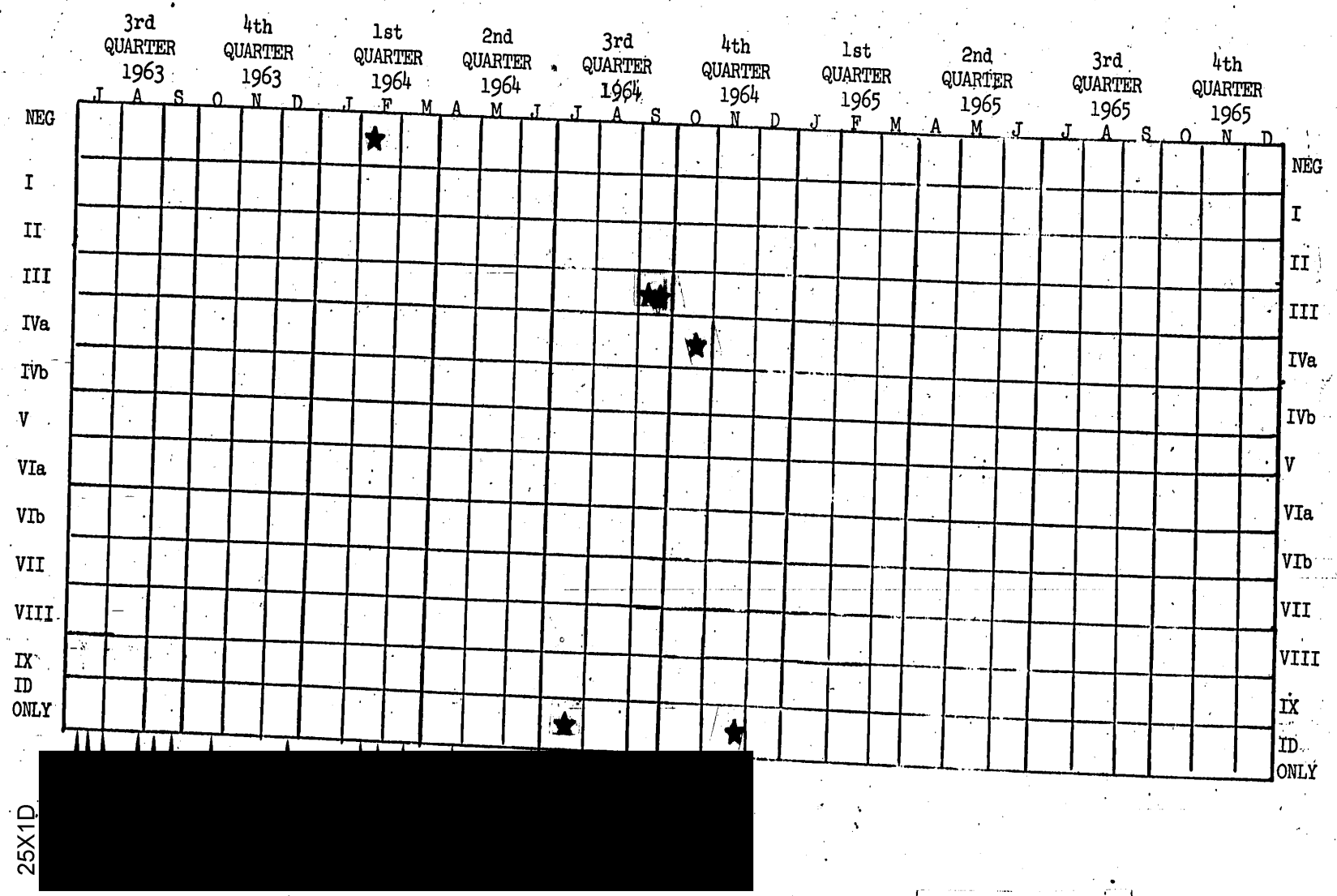
SINGLE SILO ICBM CONSTRUCTION TIMING

COMPLEX ALEYSK

LAUNCH AREA C



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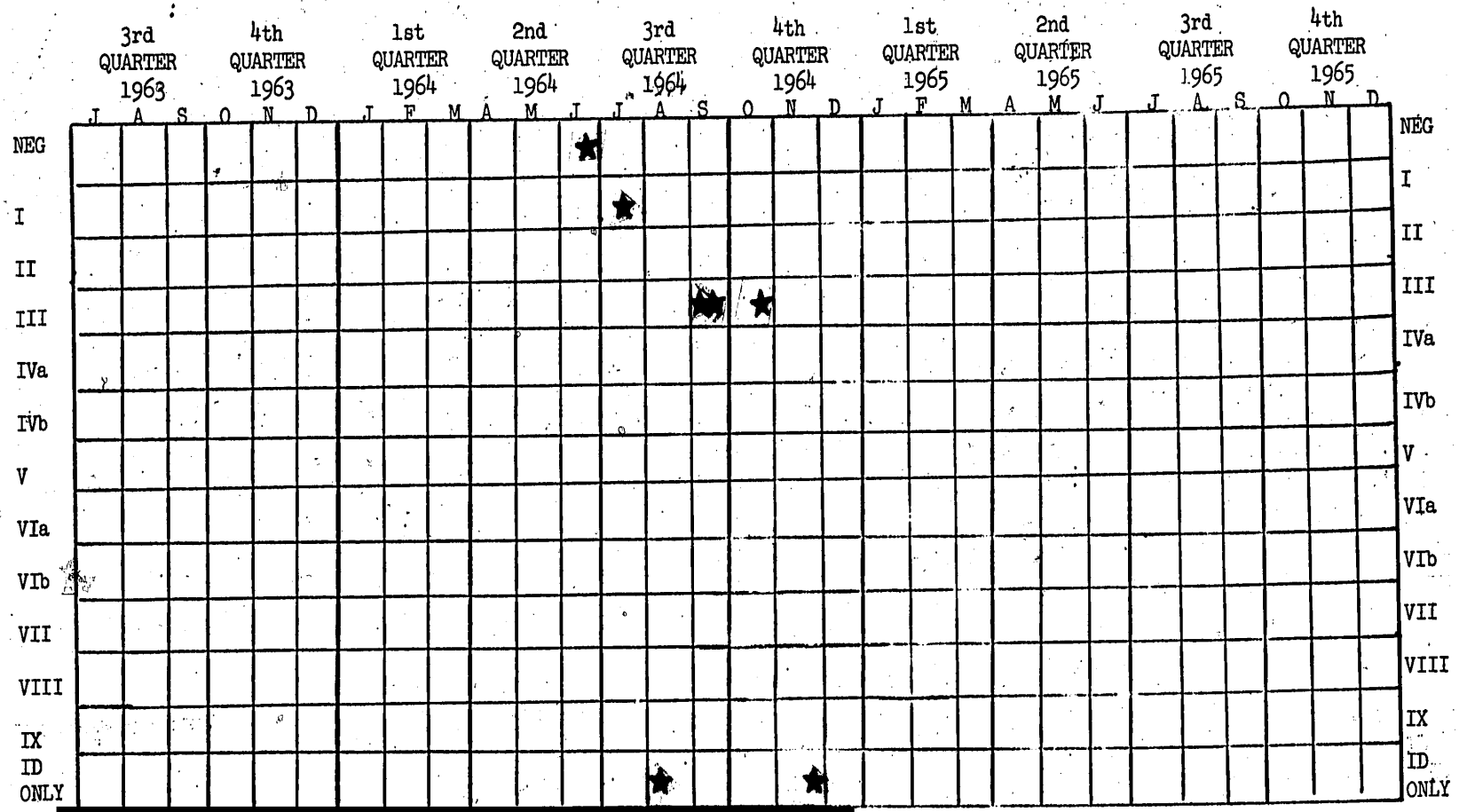
SINGLE SILO ICBM CONSTRUCTION TIMING

COMPLEX ALEYSK LAUNCH AREA D



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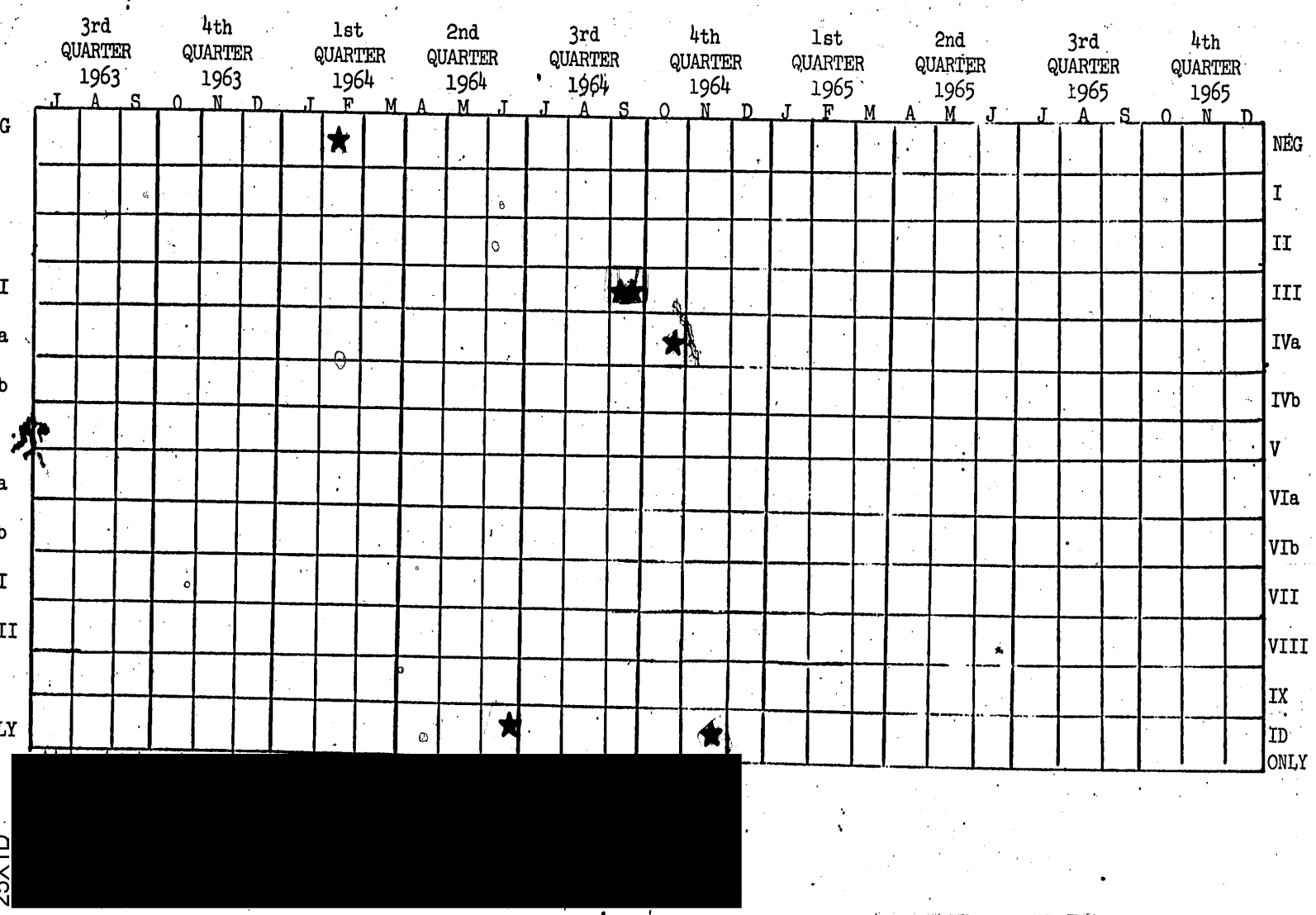
COMPLEX ALEYSK LAUNCH AREA E



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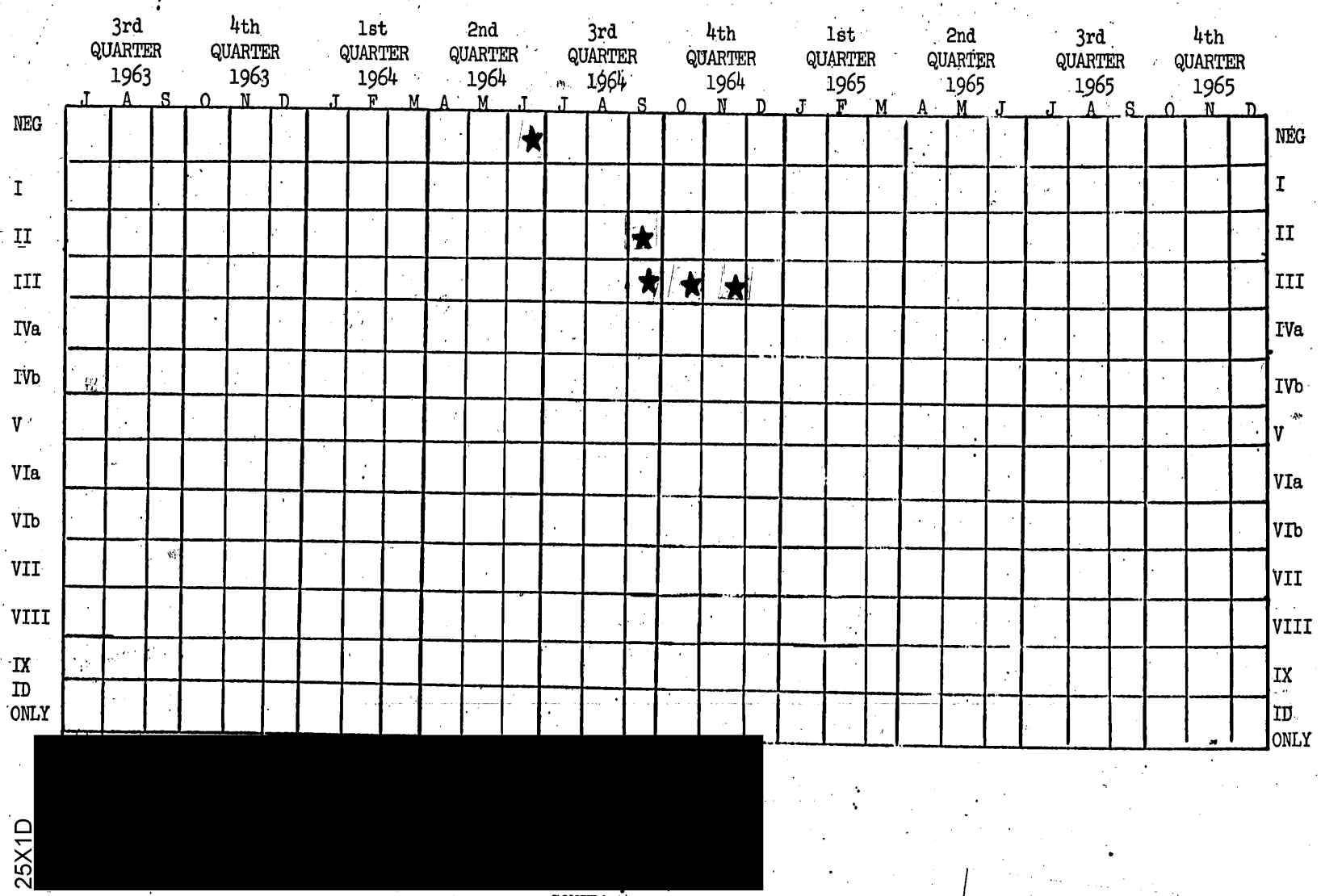
SINGLE SILO ICBM CONSTRUCTION TIMING

COMPLEX ALEYSK LAUNCH AREA F



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STAGE OF CONSTRUCTION
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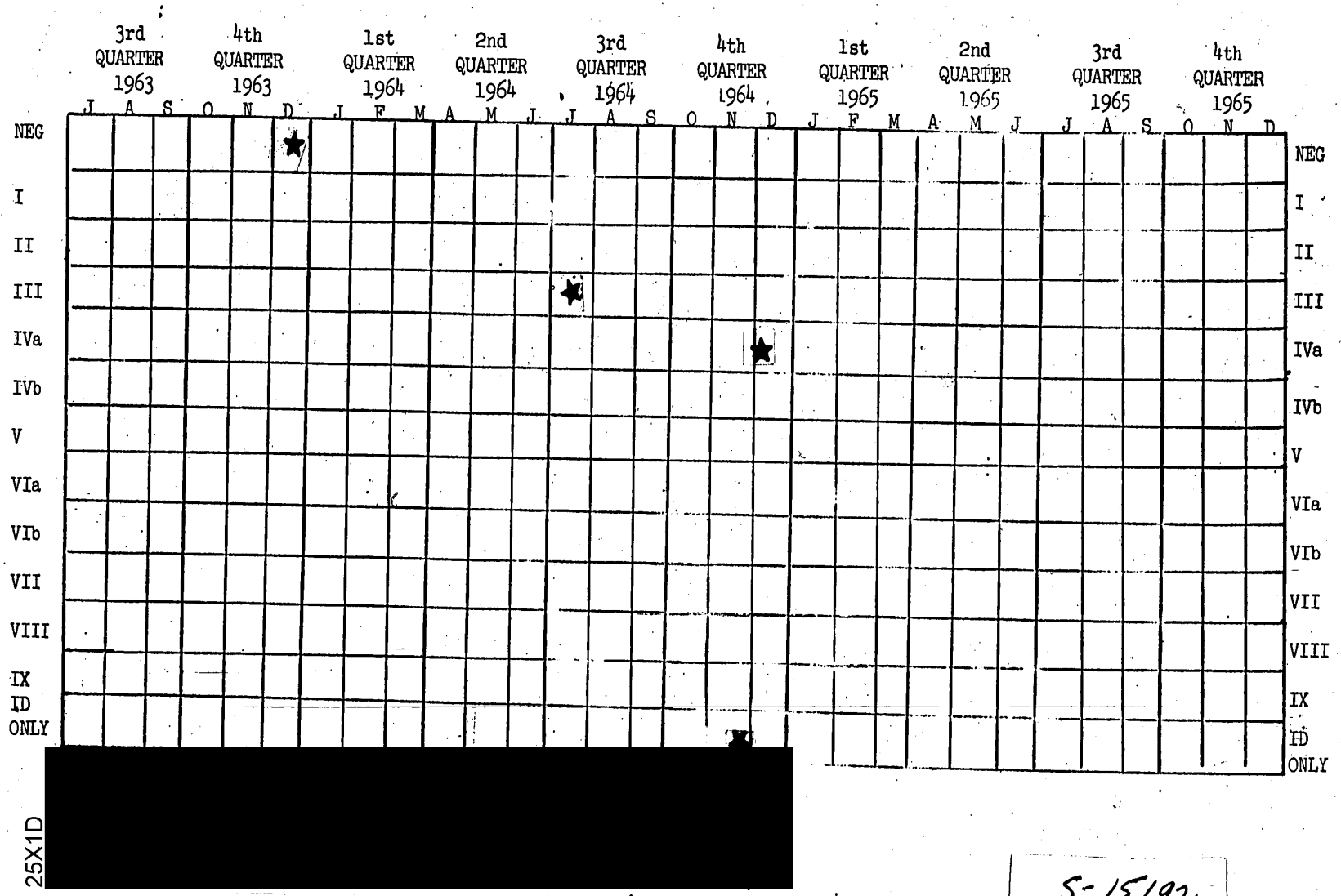
SINGLE SILO ICBM CONSTRUCTION TIMING

COMPLEX INENI GASTELLO LAUNCH AREA A



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STAGE OF CONSTRUCTION
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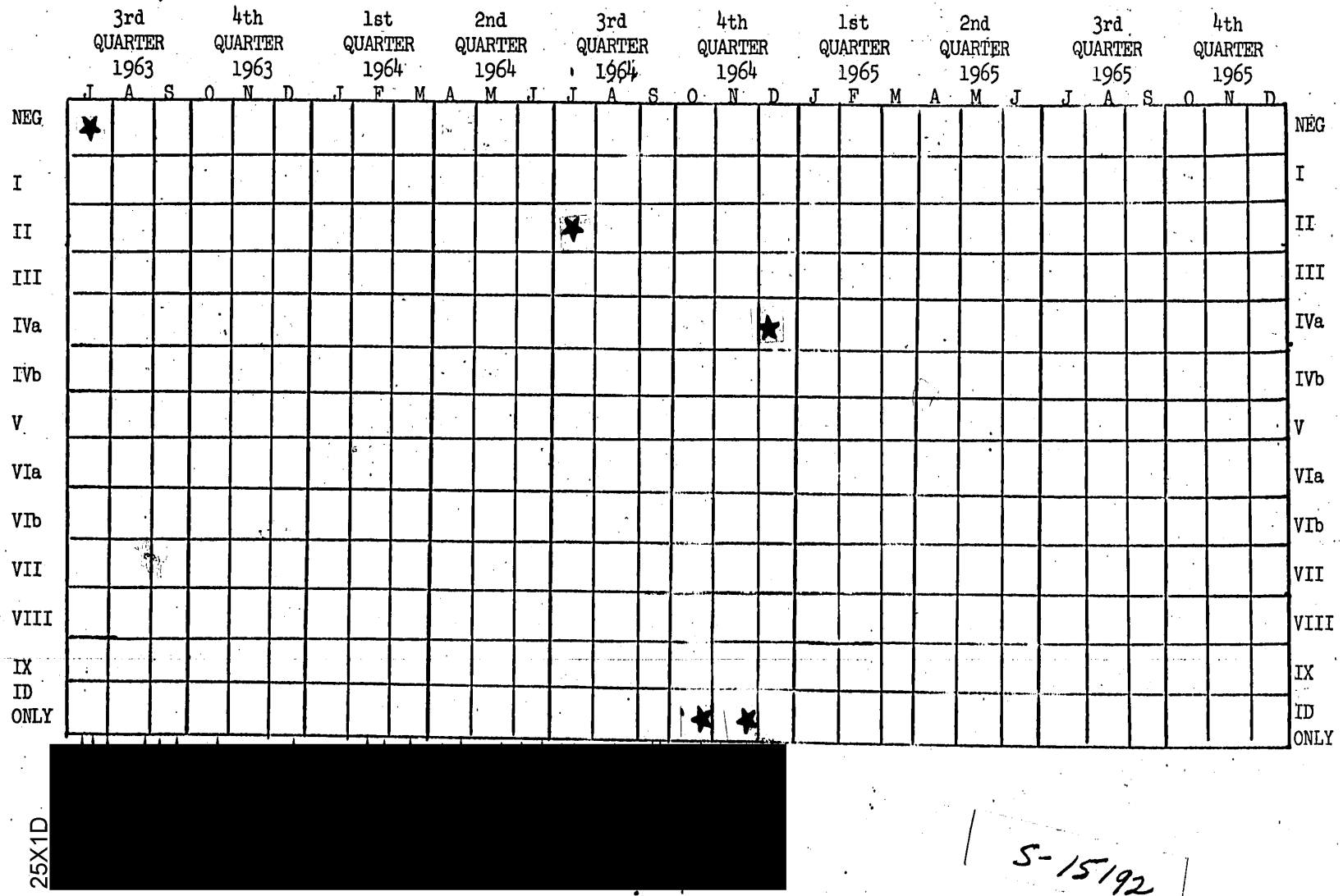
SINGLE SILO ICBM CONSTRUCTION TIMING

COMPLEX IMENI GASTELLO LAUNCH AREA B



STAGE OF CONSTRUCTION
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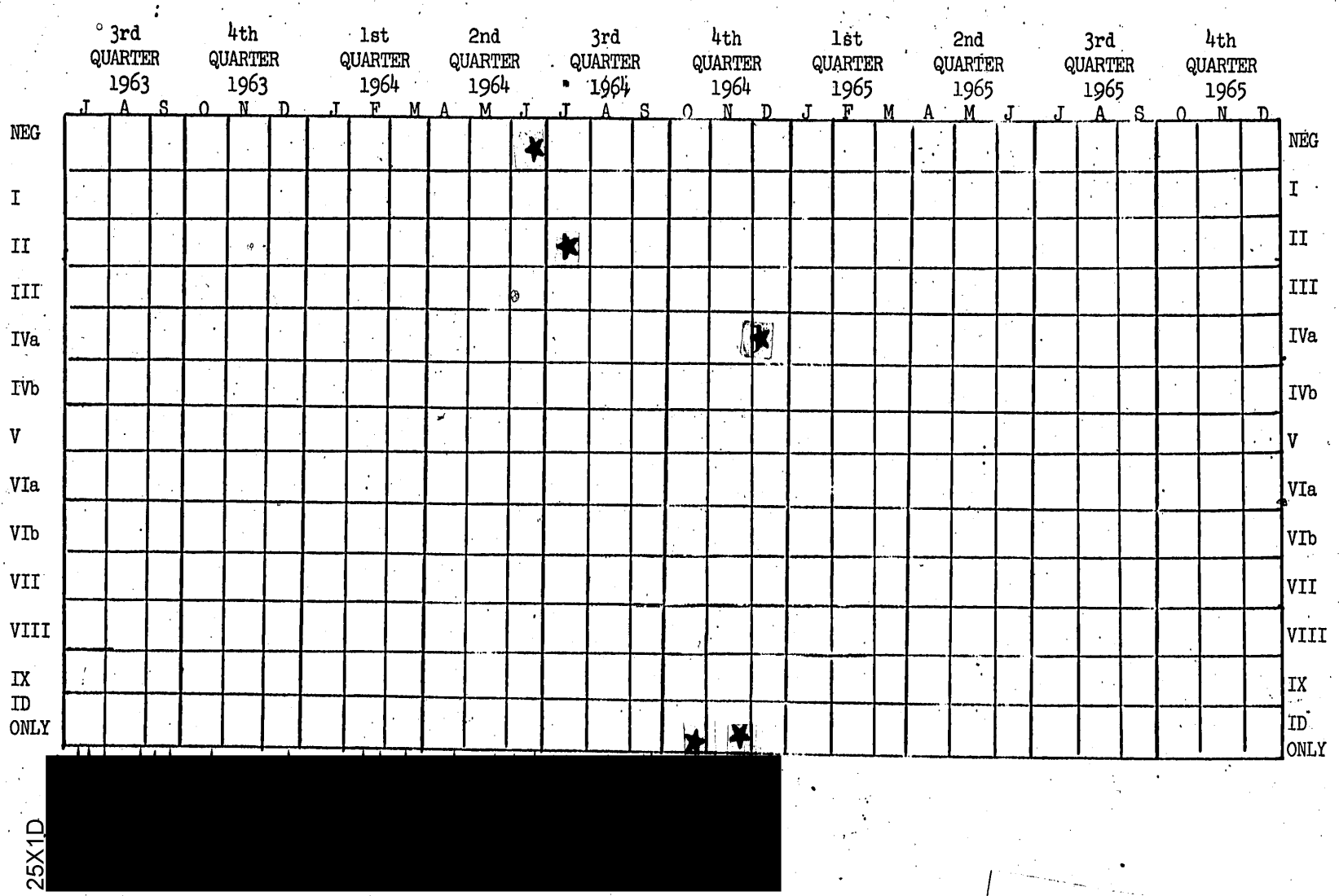
SINGLE SILO ICBM CONSTRUCTION TIMING

COMPLEX TMENI CASTELLO LAUNCH AREA C



STAGE OF CONSTRUCTION
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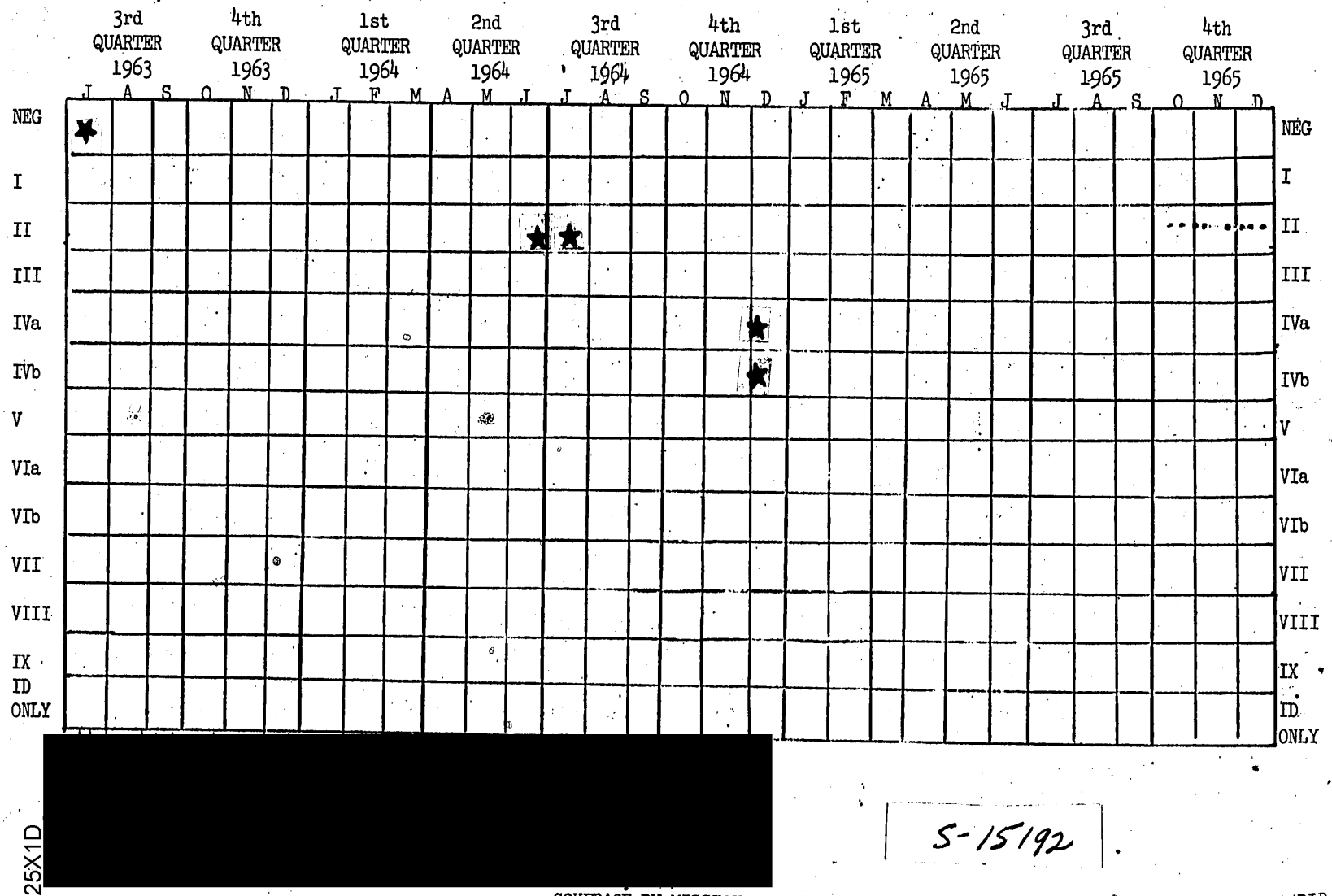
SINGLE SILO ICBM CONSTRUCTION TIMING

COMPLEX IMENI GASTELLO LAUNCH AREA D



STAGE OF CONSTRUCTION
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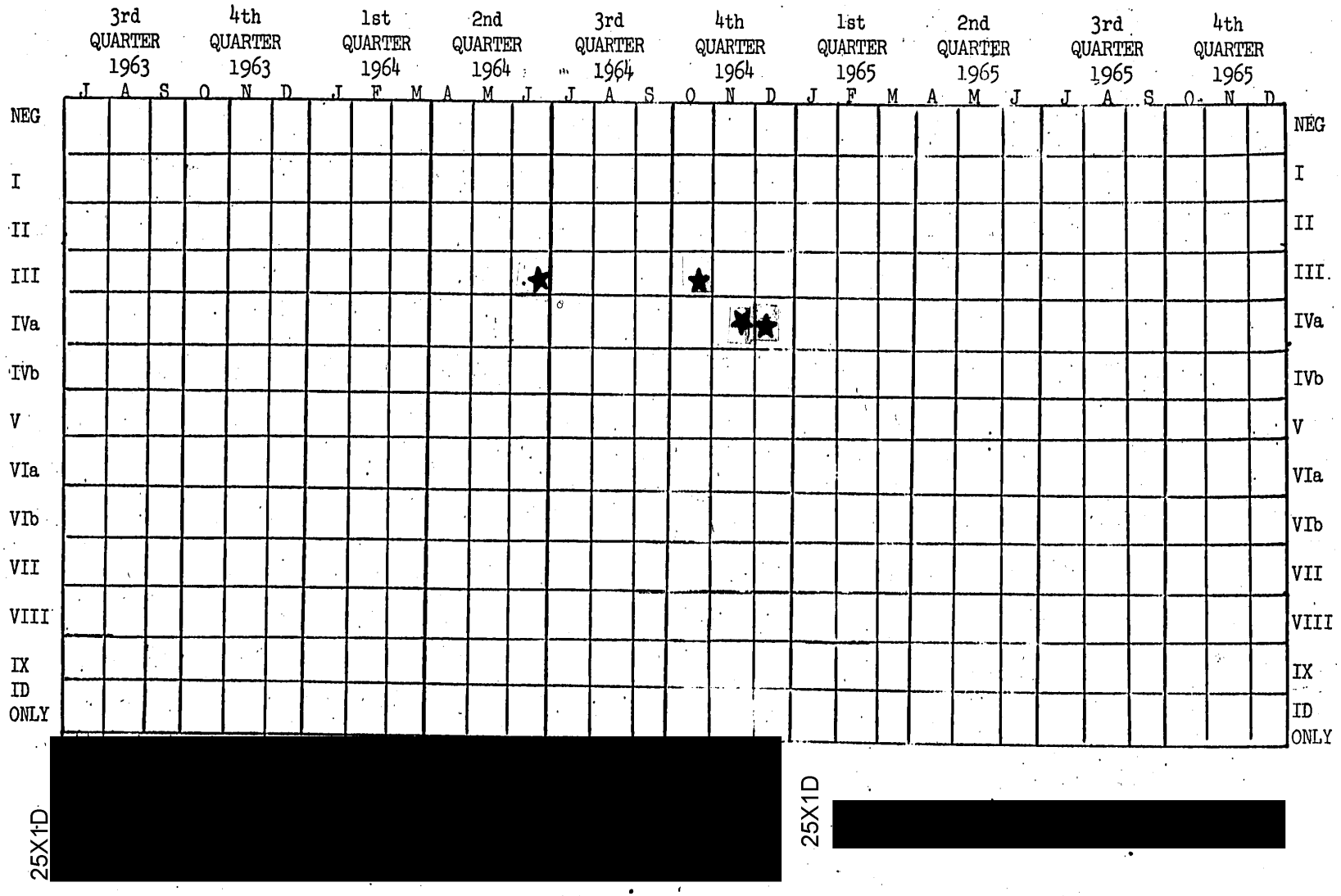
SINGLE SILO ICBM CONSTRUCTION TIMING

COMPLEX IMENI GASTELLO LAUNCH AREA E



STAGE OF CONSTRUCTION
(See separate legend for stage descriptions)

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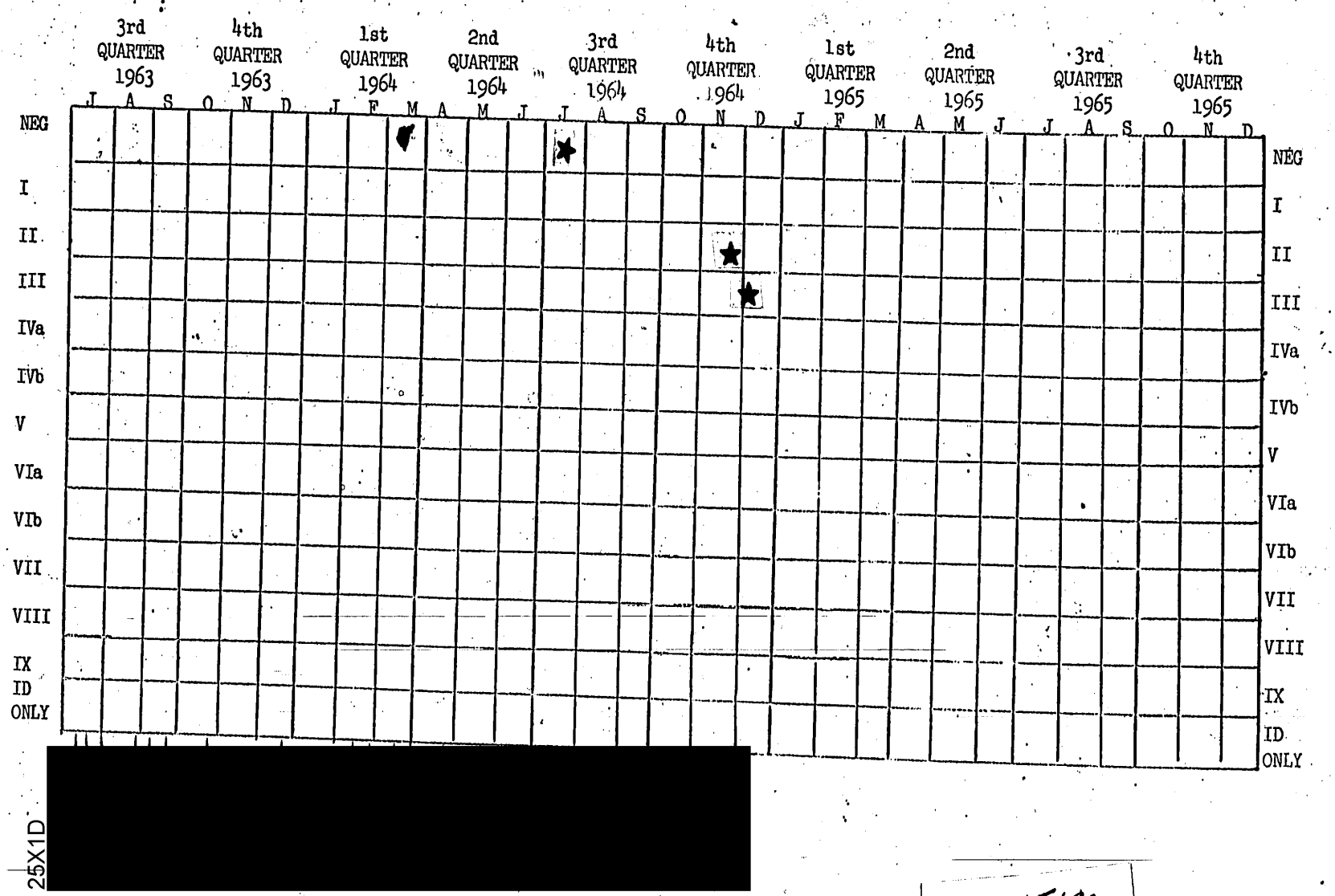
SINGLE SILO ICBM CONSTRUCTION TIMING

COMPLEX IMENI GASTELLO LAUNCH AREA F

STAGE OF CONSTRUCTION
(See separate legend for stage descriptions)



COVERAGE BY MISSION

TOP SECRET RUFF

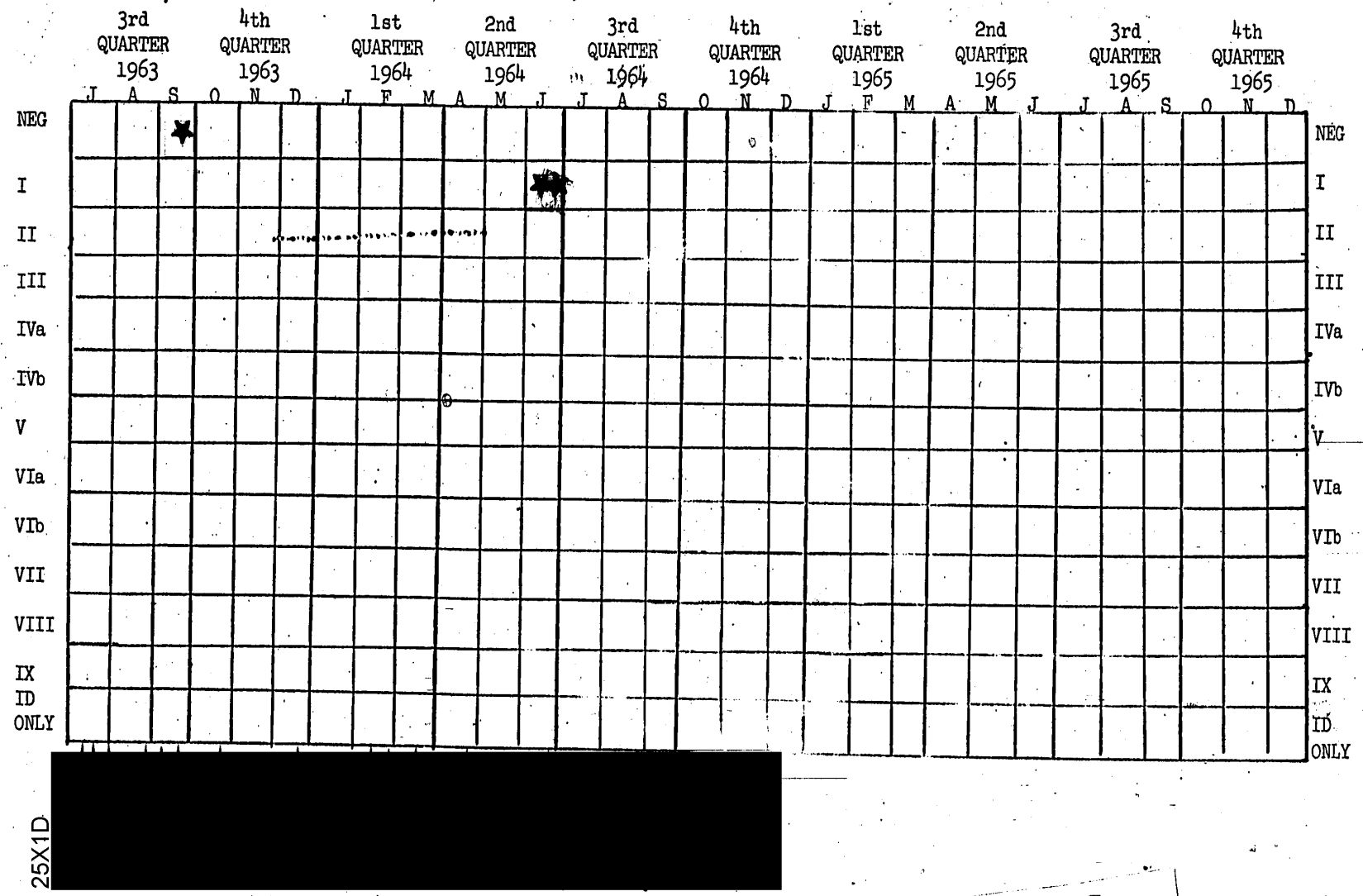
S-15192

CIA/PID/MEB-P-1035/64
Attachment to:
TCS 10913/64
MEB 565/64

Approved For Release 2001/03/03 : CIA-RDP78T05439A000400230089-9

SINGLE SILO ICBM CONSTRUCTION TIMING

COMPLEX KARTALY LAUNCH AREA A (Poss.)



STAGE OF CONSTRUCTION
(See separate legend for stage descriptions)

COVERAGE BY MISSION

TOP SECRET RUFF

5-15192

CIA/PID/MEB-P-1035/64
Attachment to:
TCS [redacted] 913/64
MIB 565/64

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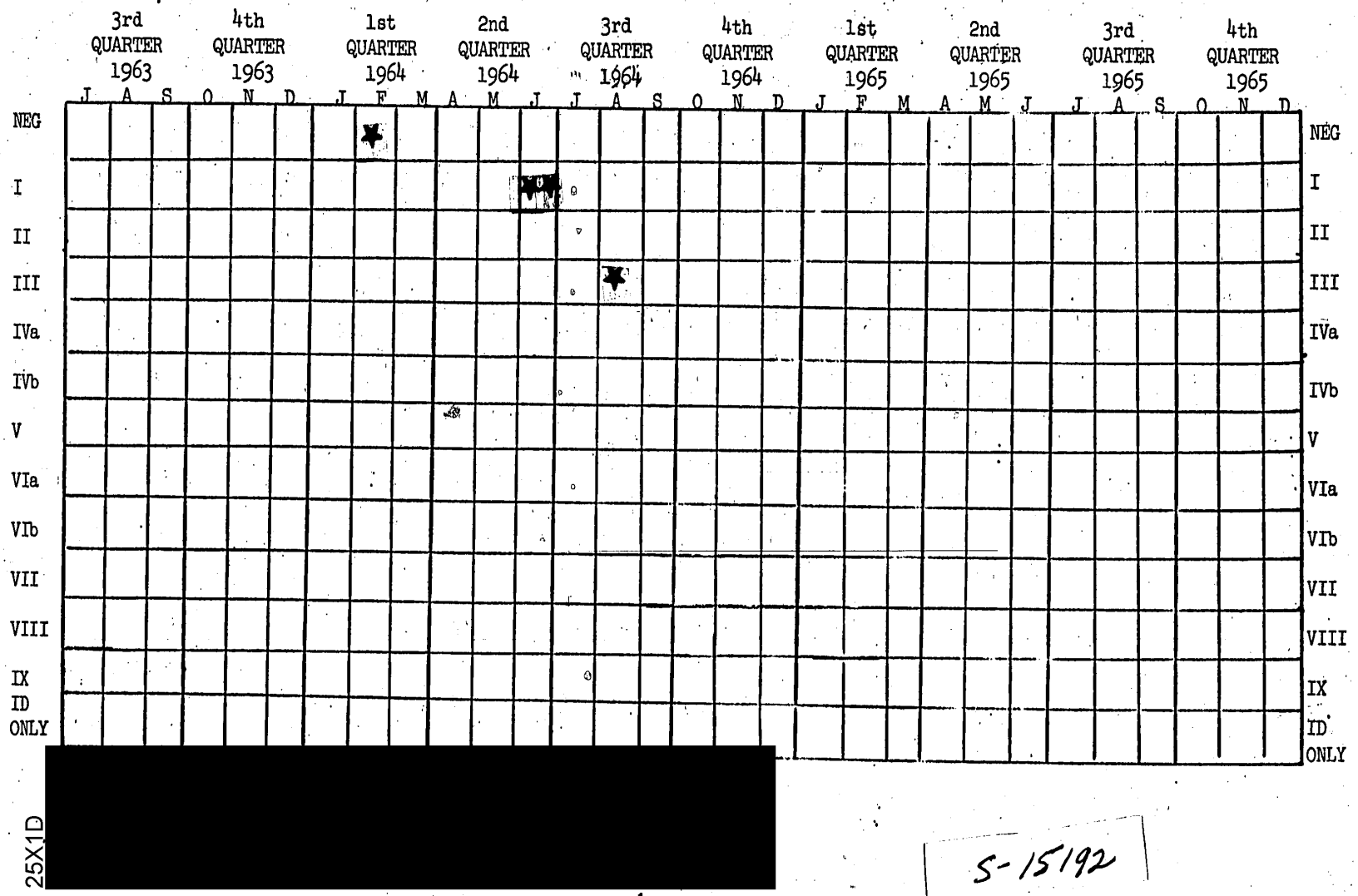
Approved For Release 2007/03/23 : CIA-RDP78T05439A000400230089-9

SINGLE SILO ICBM CONSTRUCTION TIMING

COMPLEX KARTALY LAUNCH AREA B



STAGE OF CONSTRUCTION
(See separate legend for stage descriptions)

COVERAGE BY MISSION

TOP SECRET RUFF

5-15192

CIA/PID/MEB-P-1035/64
Attachment to:
TCS 16913/64
MEB 565/64

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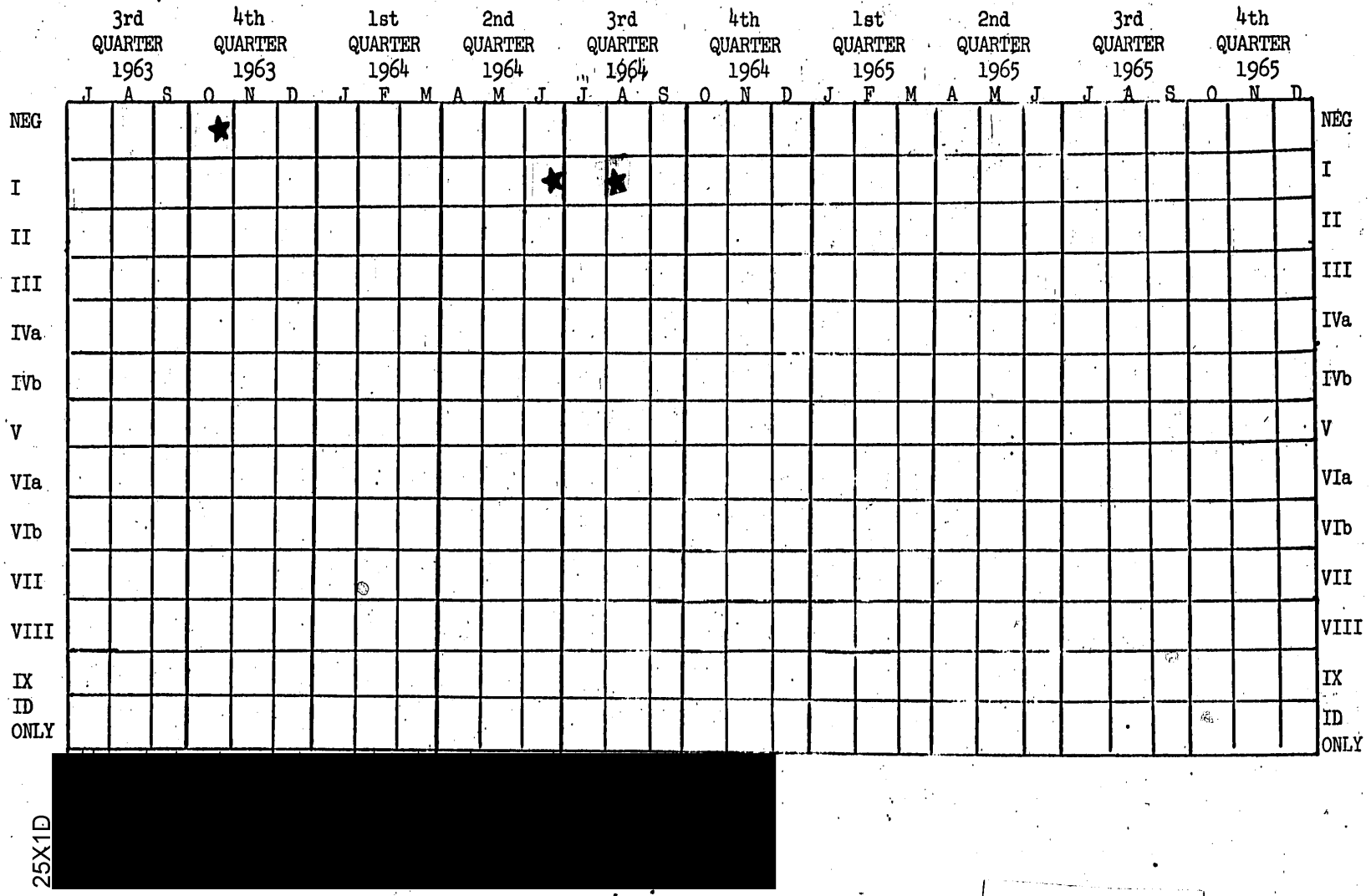
SINGLE SILO ICBM CONSTRUCTION TIMING

COMPLEX KARTALY LAUNCH AREA C (Susp.)



STAGE OF CONSTRUCTION
(See separate legend for stage descriptions)

[redacted]
25X1D

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CIA/PID/MEB-P-10 5/64
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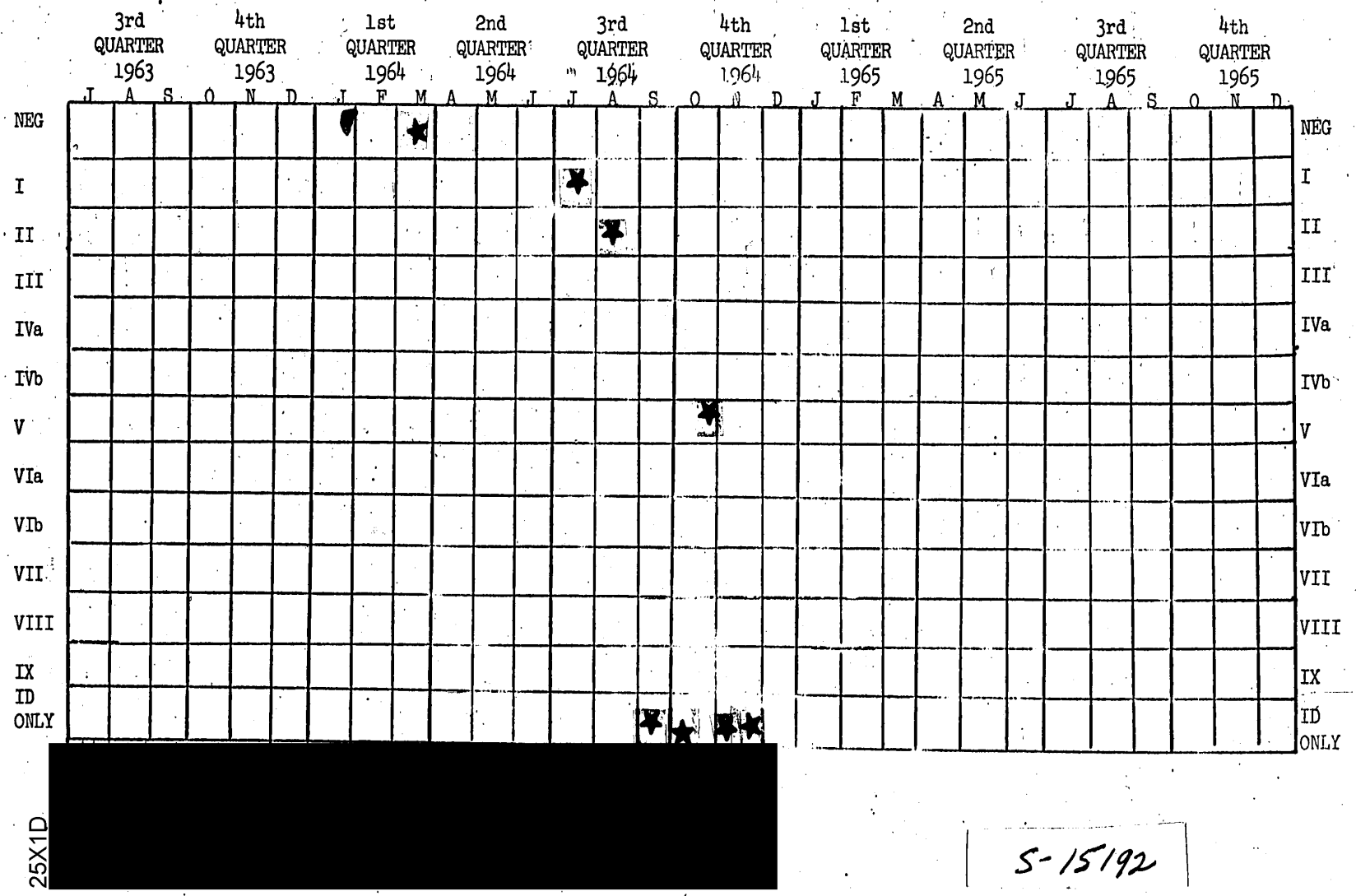
SINGLE SILO ICBM CONSTRUCTION TIMING

COMPLEX OLOVYANNAYA LAUNCH AREA D-1



STAGE OF CONSTRUCTION
(See separate legend for stage descriptions)

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5-15192

CIA/PID/MEB-P-1035/64
Attachment to:
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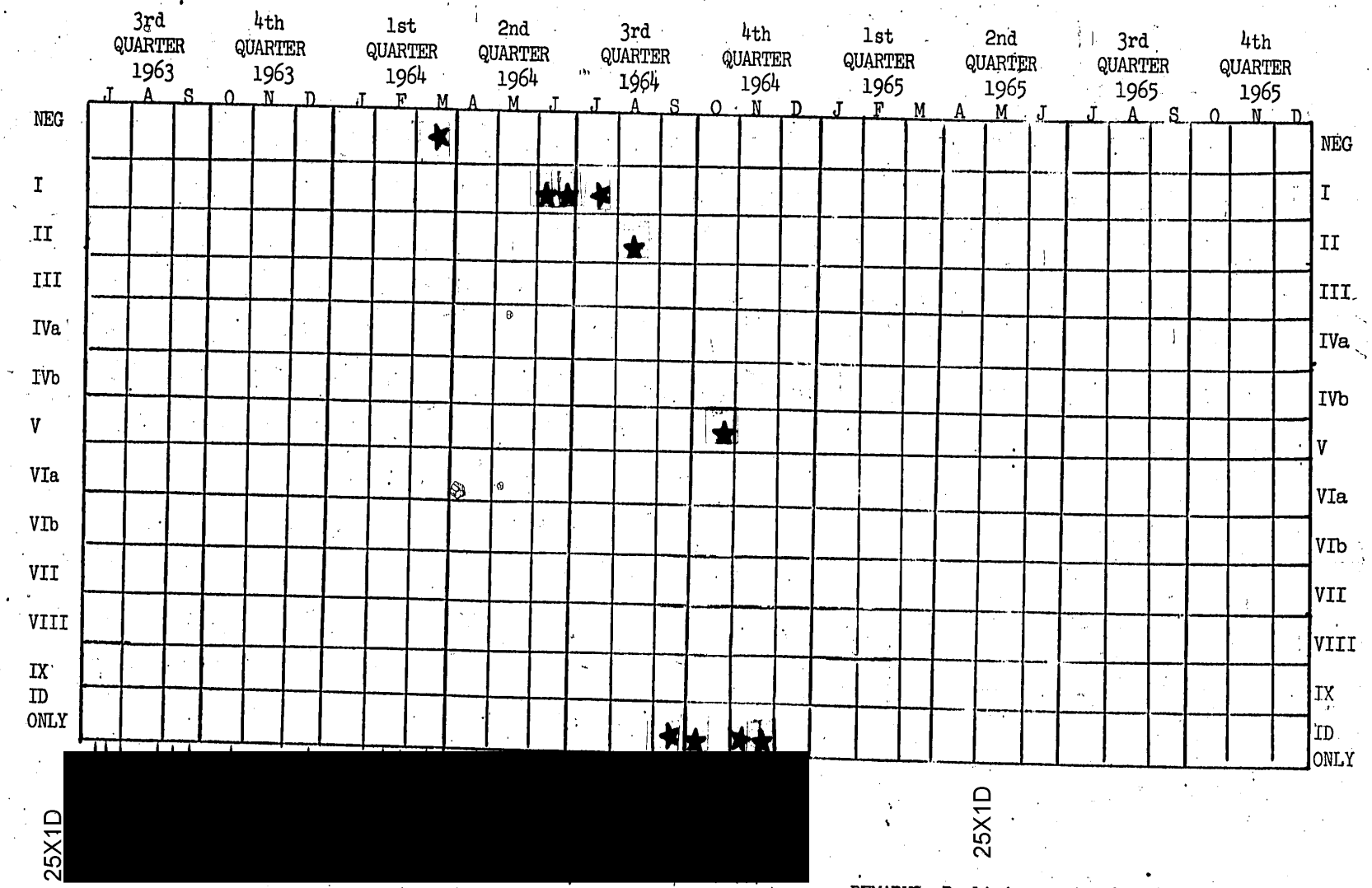
TOP SECRET RUFF

SINGLE SILO ICBM CONSTRUCTION TIMING

COMPLEX OLOVYANNAYA LAUNCH AREA D-2



STAGE OF CONSTRUCTION
(See separate legend for stage descriptions)

COVERAGE BY MISSION

REMARKS: Preliminary track activity on [redacted]

5-15192

CIA/PID/MEB-P-1035/64
Attachment to:
TCS 10713/64
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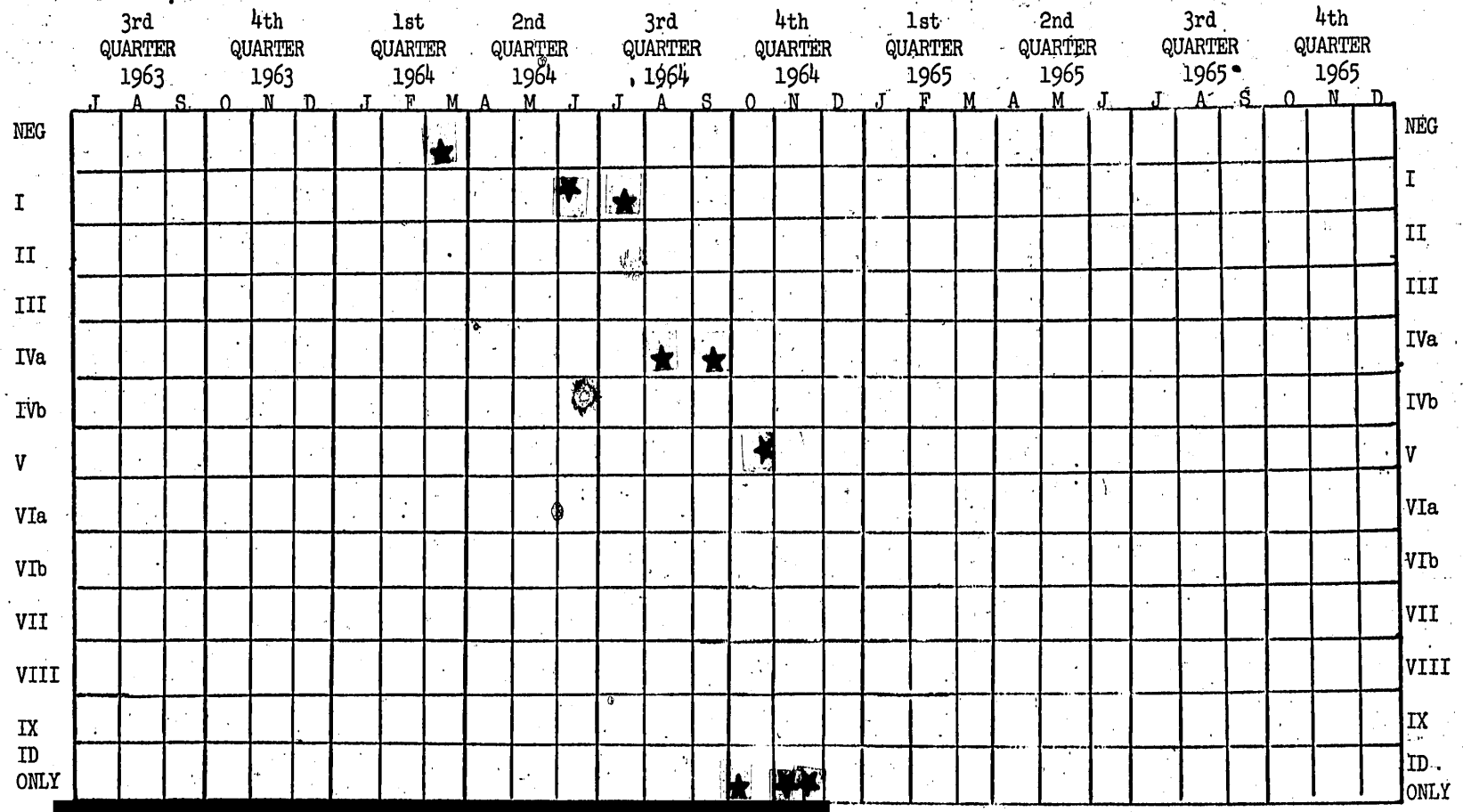
TOP SECRET RUFF

SINGLE SILO ICBM CONSTRUCTION TIMING

COMPLEX OLOVYANNAYA LAUNCH AREA D-3

STAGE OF CONSTRUCTION
(See separate legend for stage descriptions)



[redacted]

25X1D

COVERAGE BY MISSION

S-15192

REMARKS: Preliminary track activity on [redacted]

25X1D

CIA/PID/MEB-P-1035/64
Attachment to:
TCS 10913/64
MEB 565/64

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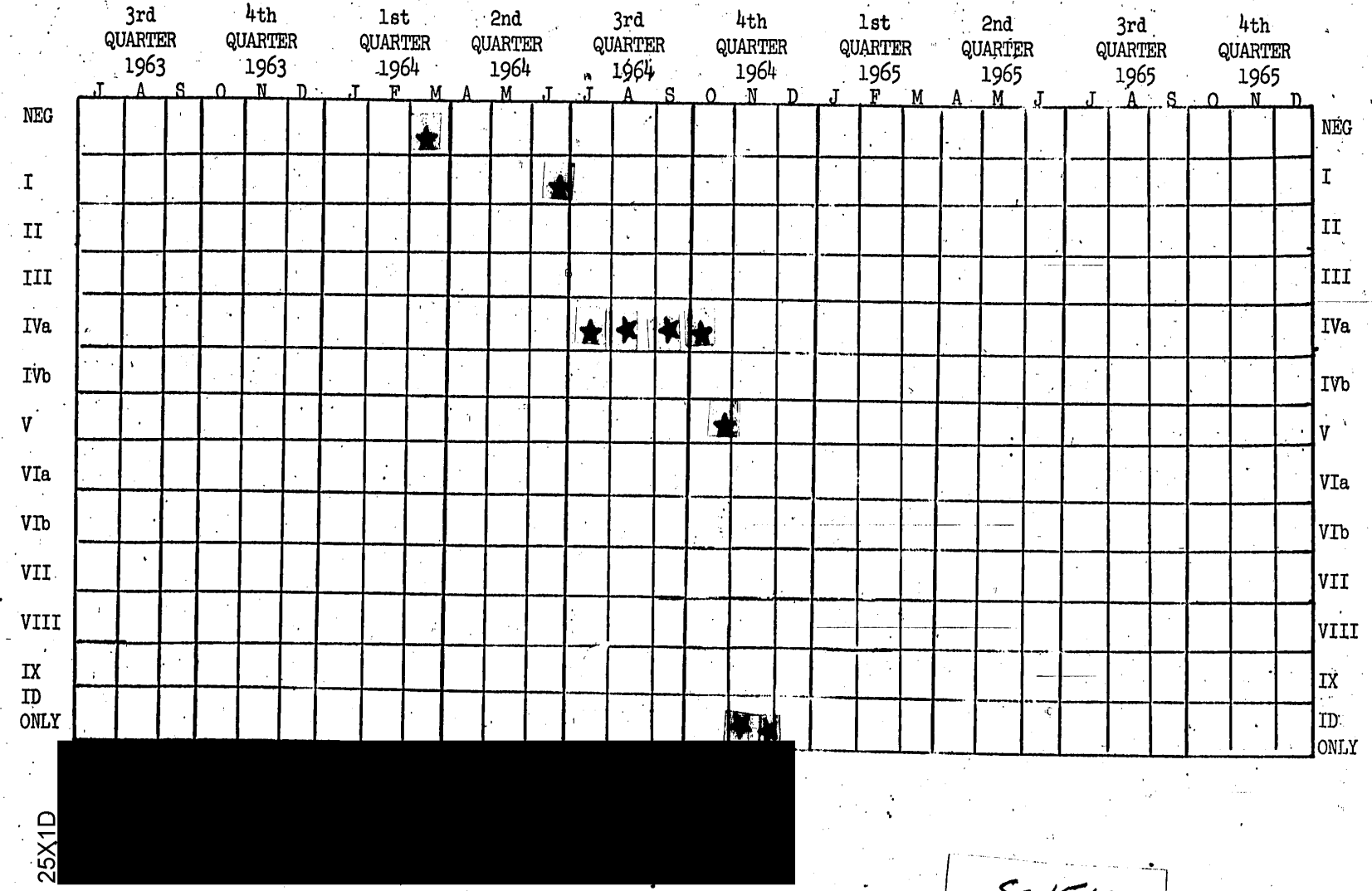
SINGLE SILO ICBM CONSTRUCTION TIMING

COMPLEX OLOVYANNAYA LAUNCH AREA D-4



STAGE OF CONSTRUCTION
(See separate legend for stage descriptions)

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TOP SECRET RUFF

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CIA/PID/MEB-P-1035/64
Attachment to:
TC-5 1091-3/64
MEB 565/64

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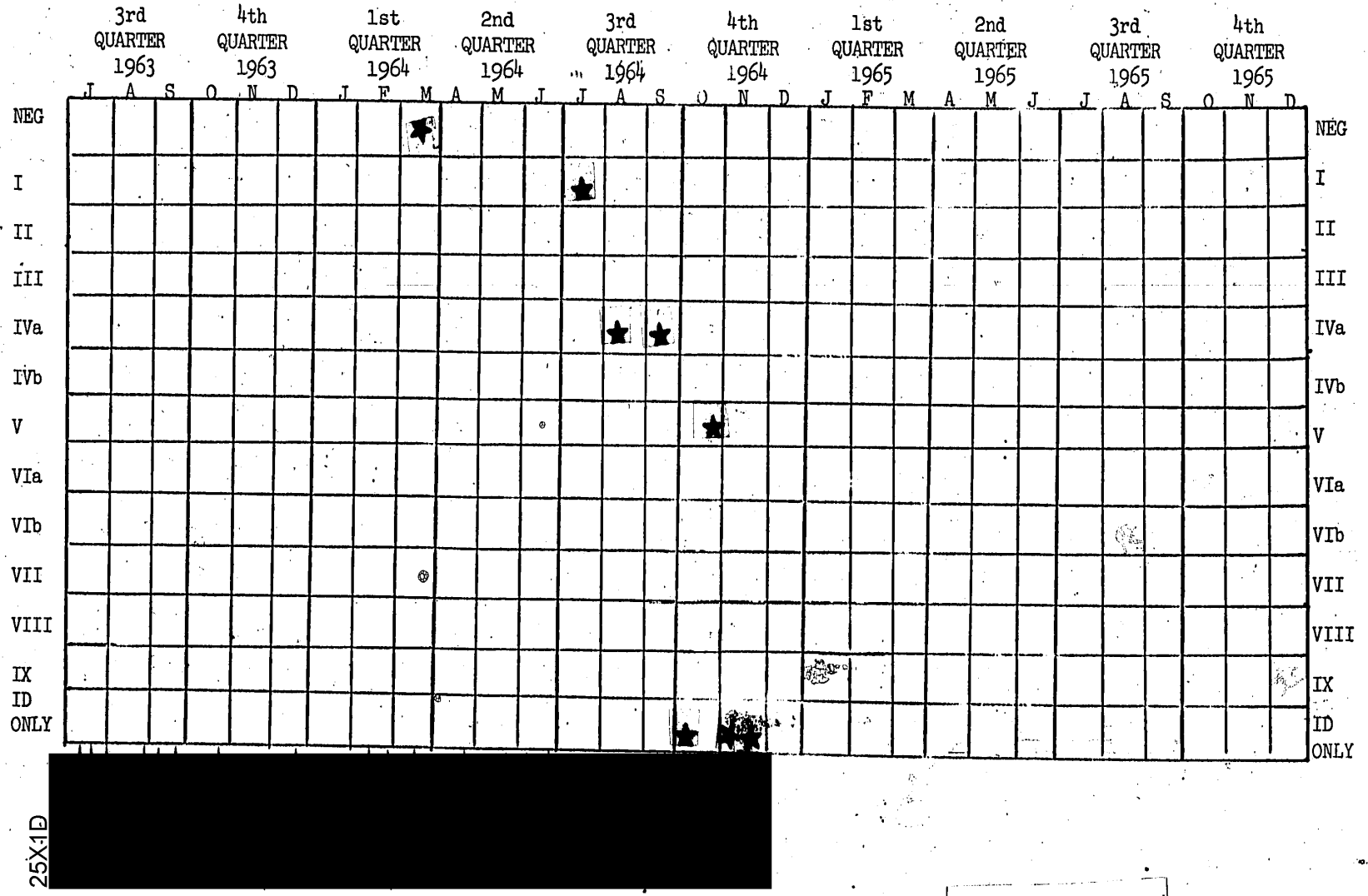
SINGLE SILO ICBM CONSTRUCTION TIMING

COMPLEX OLOVYANNAYA LAUNCH AREA D-5



STAGE OF CONSTRUCTION
(See separate legend for stage descriptions)

COVERAGE BY MISSION

5-15192

CIA/PID/MER-P-1035/64
Attachment to:
TCS 10913/64
MEB 565/64

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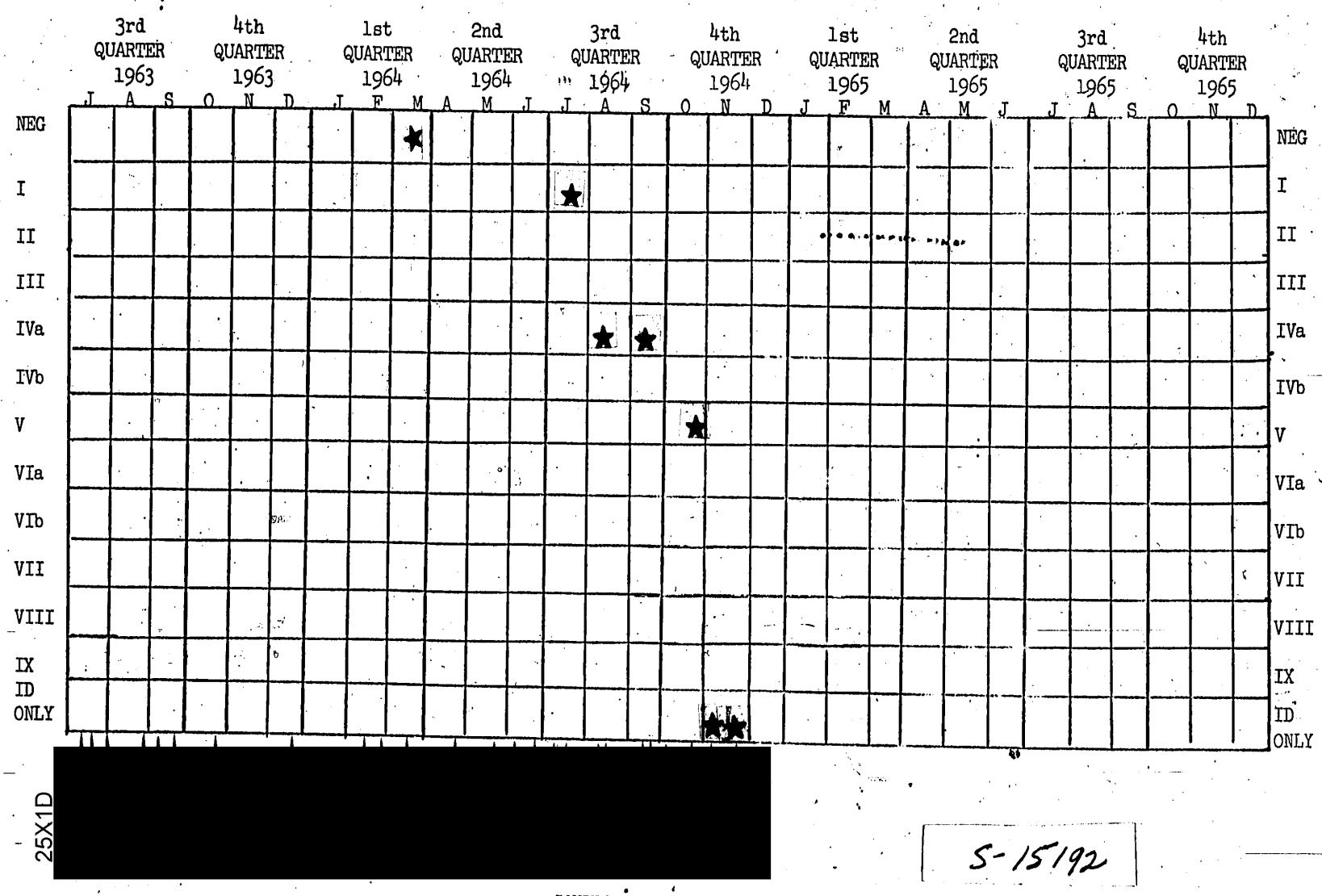
SINGLE SILO ICBM CONSTRUCTION TIMING

COMPLEX OLOVYANNAYA LAUNCH AREA D-6



STAGE OF CONSTRUCTION
(See separate legend for stage descriptions)

COVERAGE BY MISSION

TOP SECRET RUFF

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CIA/PID/MEB-P-1035/64
Attachment to:
TCS 10913/64
MEB 566/64

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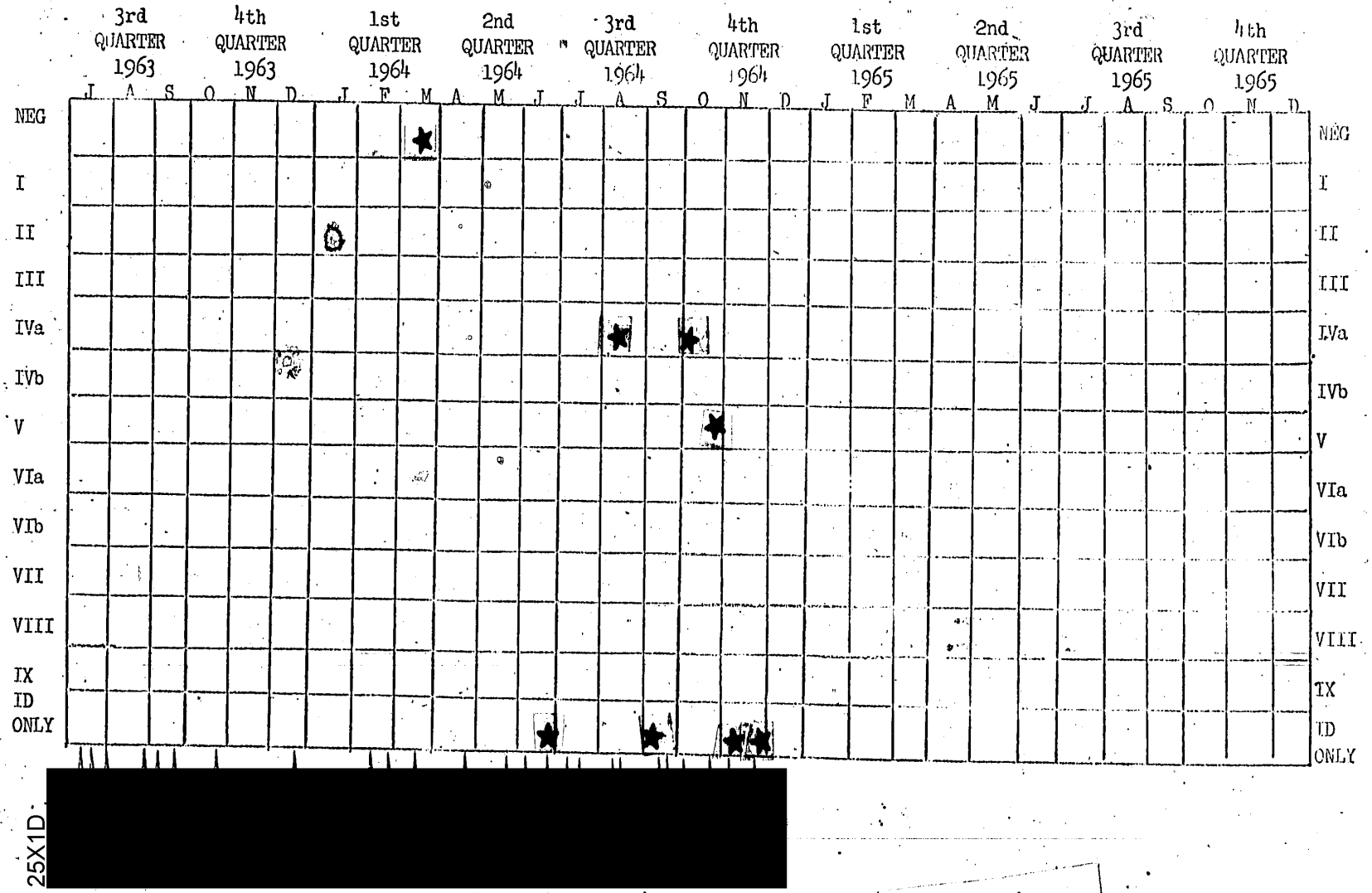
TOP SECRET RUFF

SINGLE SILO ICBM CONSTRUCTION TIMING

COMPLEX OLOVYANNAYA

LAUNCH AREA 7



STAGE OF CONSTRUCTION
(See separate legend for stage descriptions)

[redacted]

25X1D

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S-15192

CIA/PID/MEB-P-1035/64
Attachment to:
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MEB 566/64

TOP SECRET RUFF

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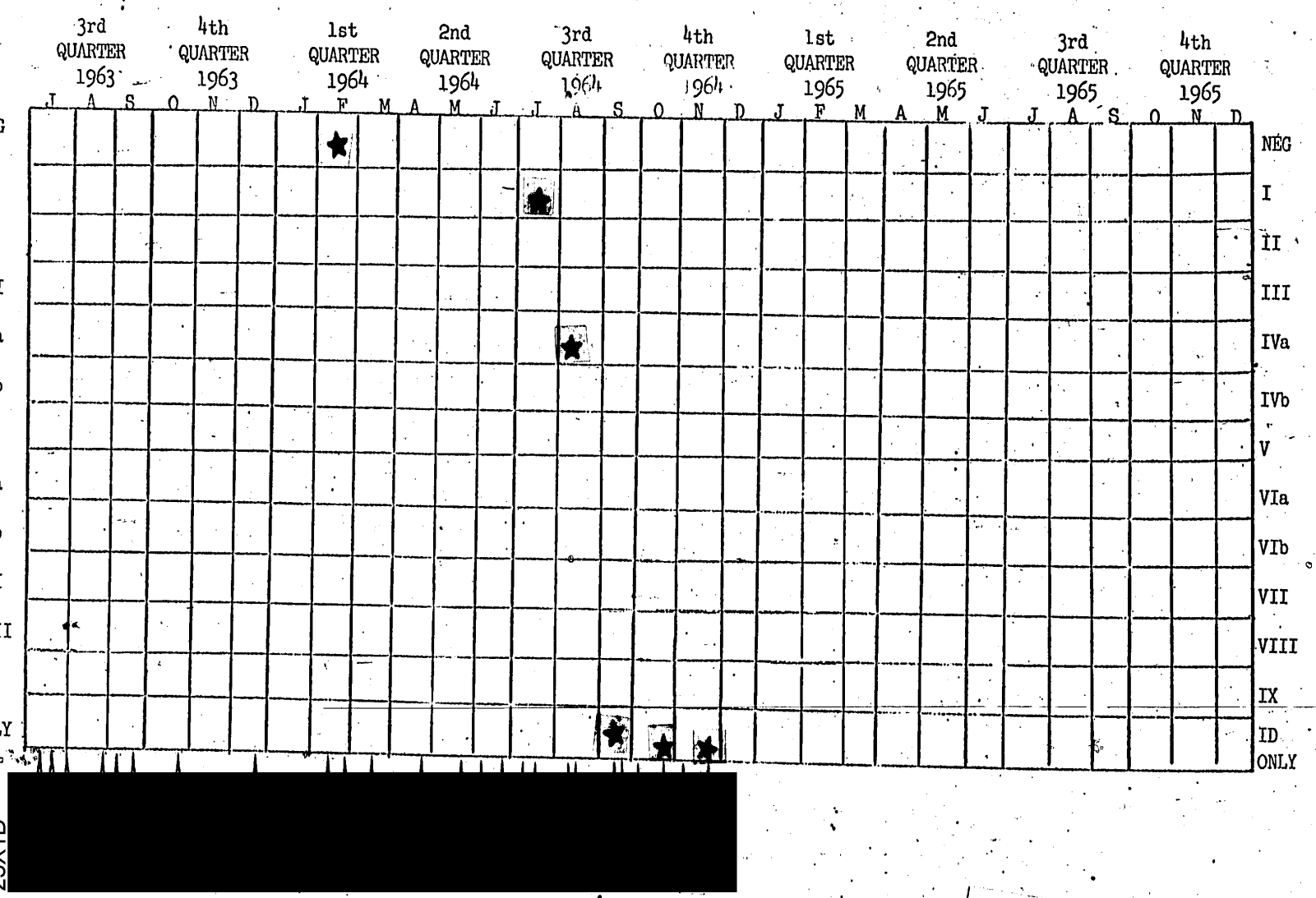
TOP SECRET RUFF

Approved For Release 2001/03/03 : CIA-RDP78T05439A000400230089-9

SINGLE SILO ICBM CONSTRUCTION TIMING

COMPLEX OLOVYANNAYA LAUNCH AREA 8

(See separate legend for stage descriptions)



TOP SECRET RUFF

5-15192

CIA/PID/...B-P-1035/64
Attachment to:
TCS 10913/64
MEB 56 5/64

TOP SECRET RUFF

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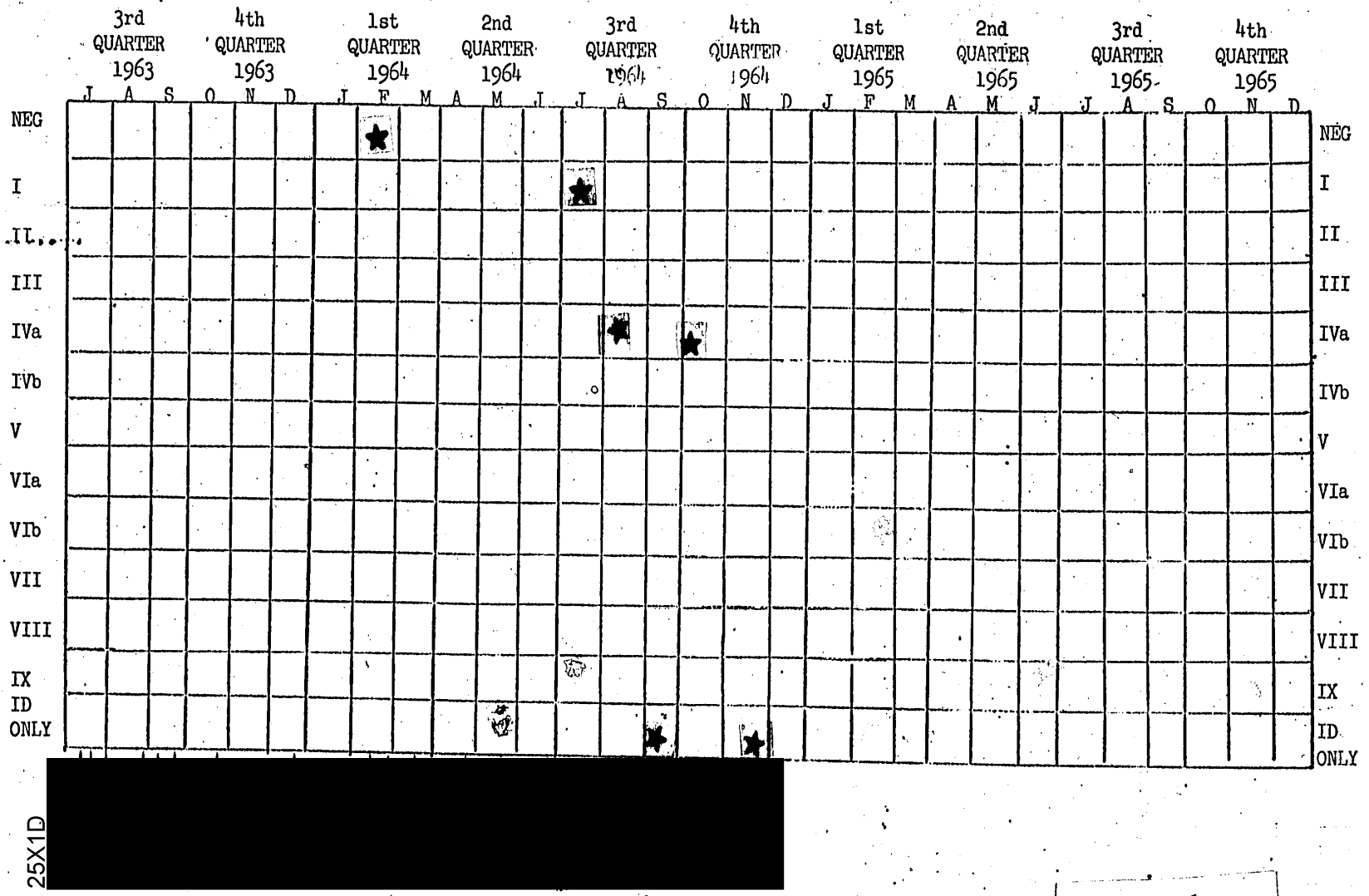
SINGLE SILO ICBM CONSTRUCTION TIMING

COMPLEX OLOVYANNAYA LAUNCH AREA 9

(See separate legend for stage descriptions)



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5-15192

CIA/PID/MEB-P-1035/64
Attachment to:
FCS 10913/64
MEB 565/64

TOP SECRET RUFF

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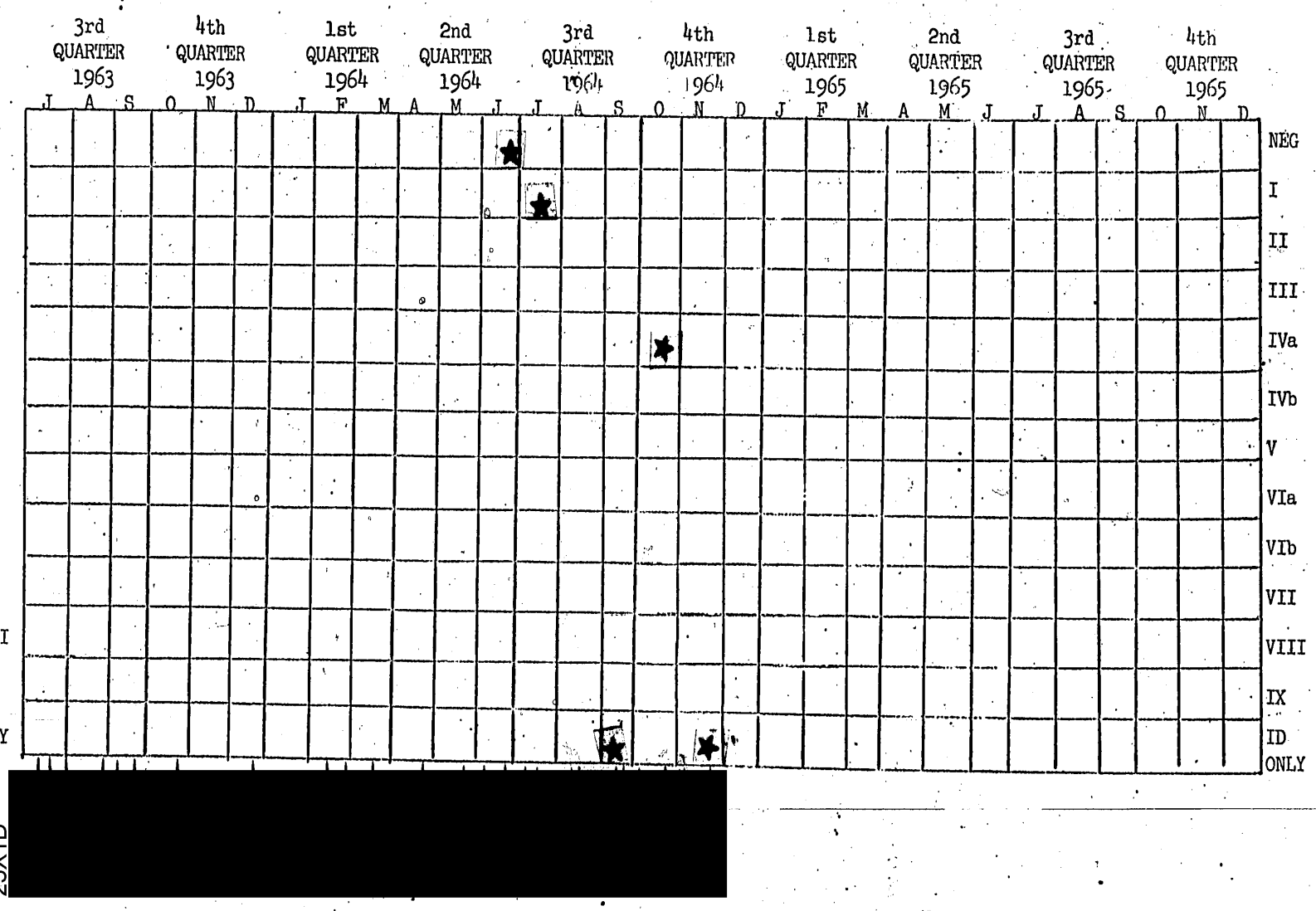
SINGLE SILO ICBM CONSTRUCTION TIMING

COMPLEX OLOVYANNAYA LAUNCH AREA 10

(See separate legend for stage descriptions)



[redacted]

25X1D

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S-15192

CIA/PID/MEB-P-10 35/64
Attachment to:
TCS 10918/64
MEB 365/64

TOP SECRET RUFF

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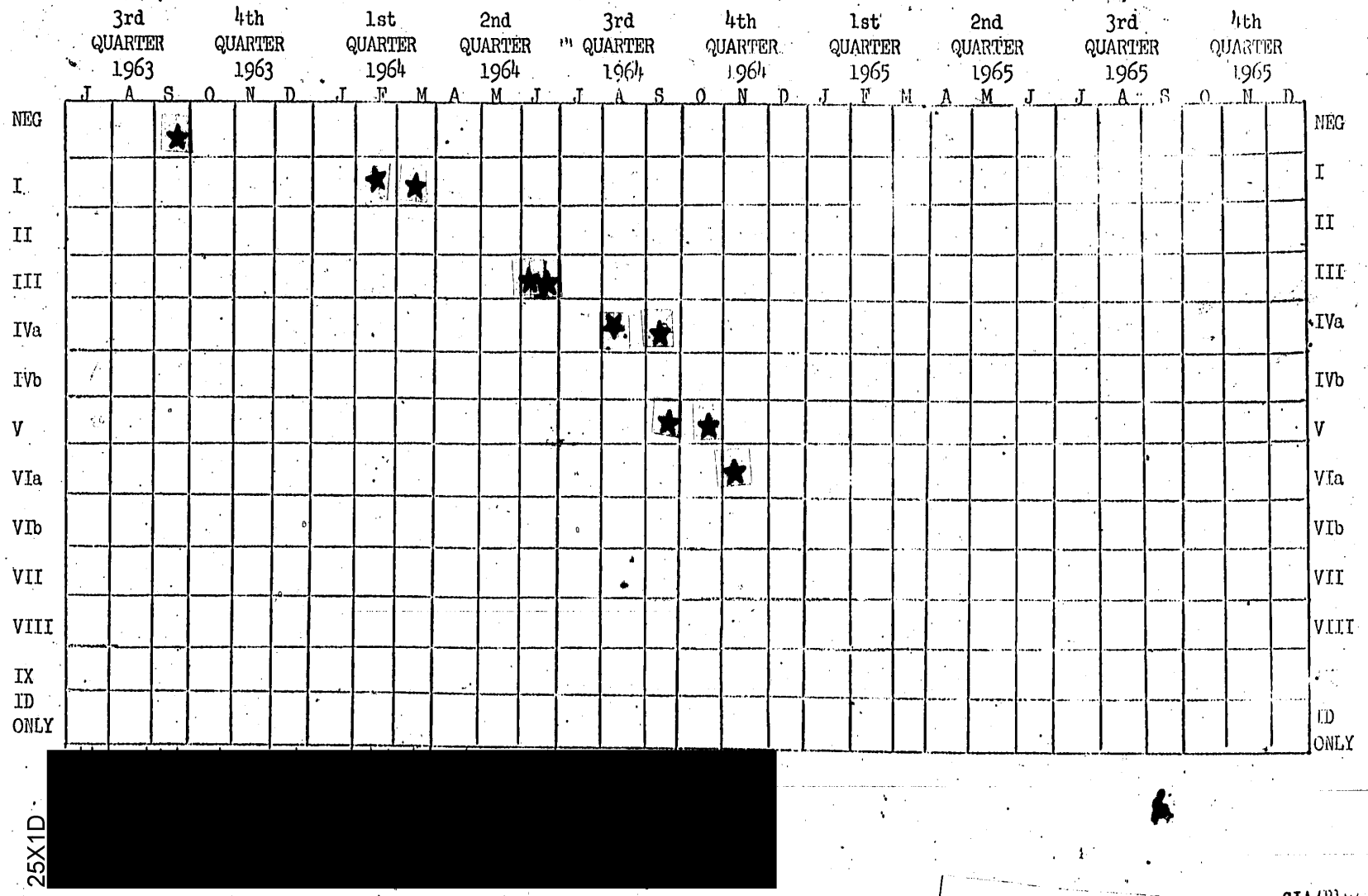
SINGLE SILO ICBM CONSTRUCTION TIMING

COMPLEX TYURATAM LAUNCH AREA B 2



[redacted]

25X1D

STAGE OF CONSTRUCTION
(See separate legend for stage descriptions)

COVERAGE BY MISSION

TOP SECRET RUFF

TOP SECRET RUFF

5-15192

CIA/PIU/[illegible]-1055/64
Attachment to:
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MEB 565/64

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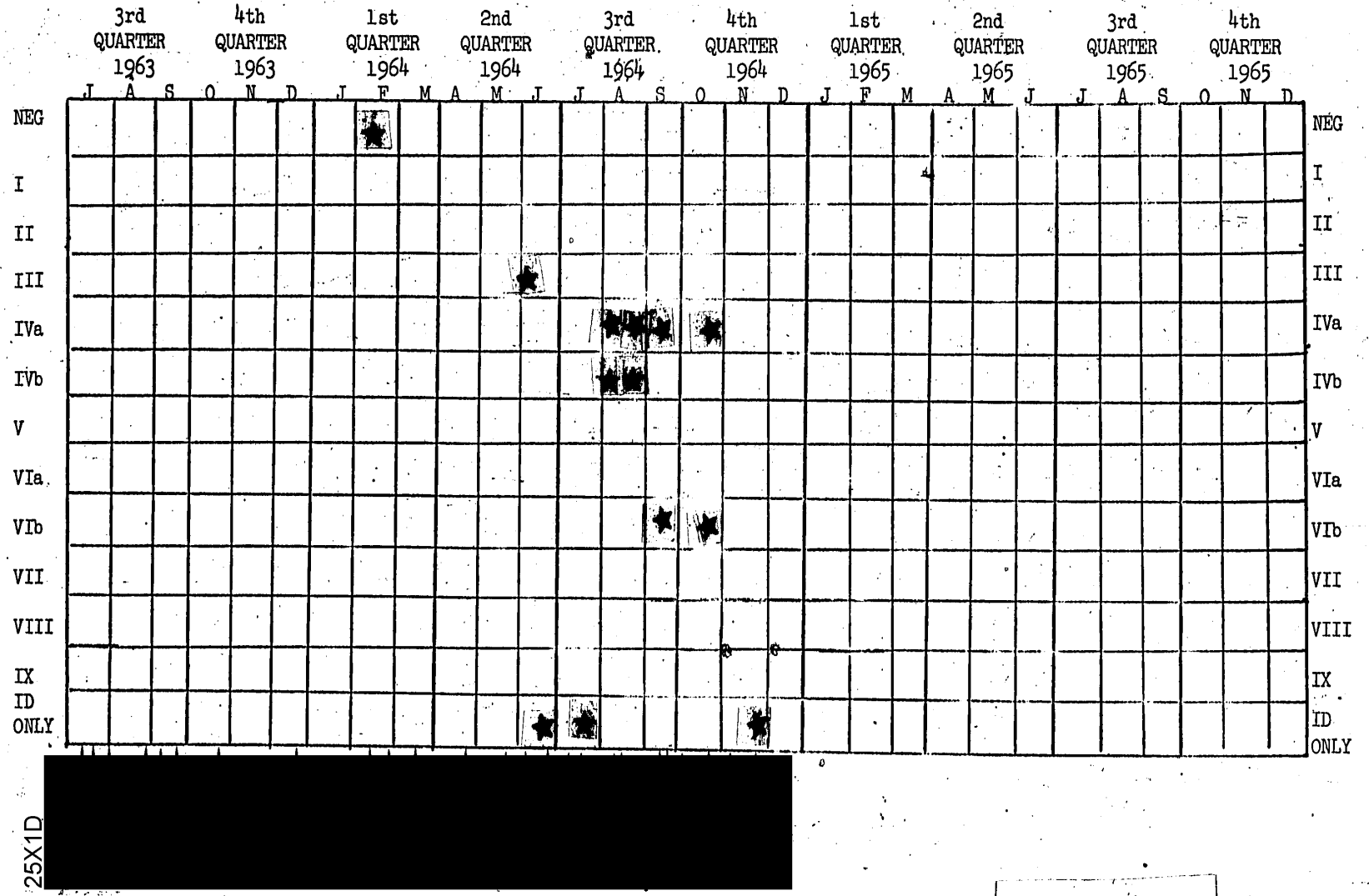
SINGLE SILO ICBM CONSTRUCTION TIMING

COMPLEX TYURA TAM LAUNCH AREA G-7



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25X1D

COVERAGE BY MISSION

S-15192

CIA/PID/MEB-P-1035/64
Attachment to:
TCS 10913/64
MEB 563/64

TOP SECRET RUFF

STAGE OF CONSTRUCTION
(See separate legend for stage descriptions)

TOP SECRET RUFF

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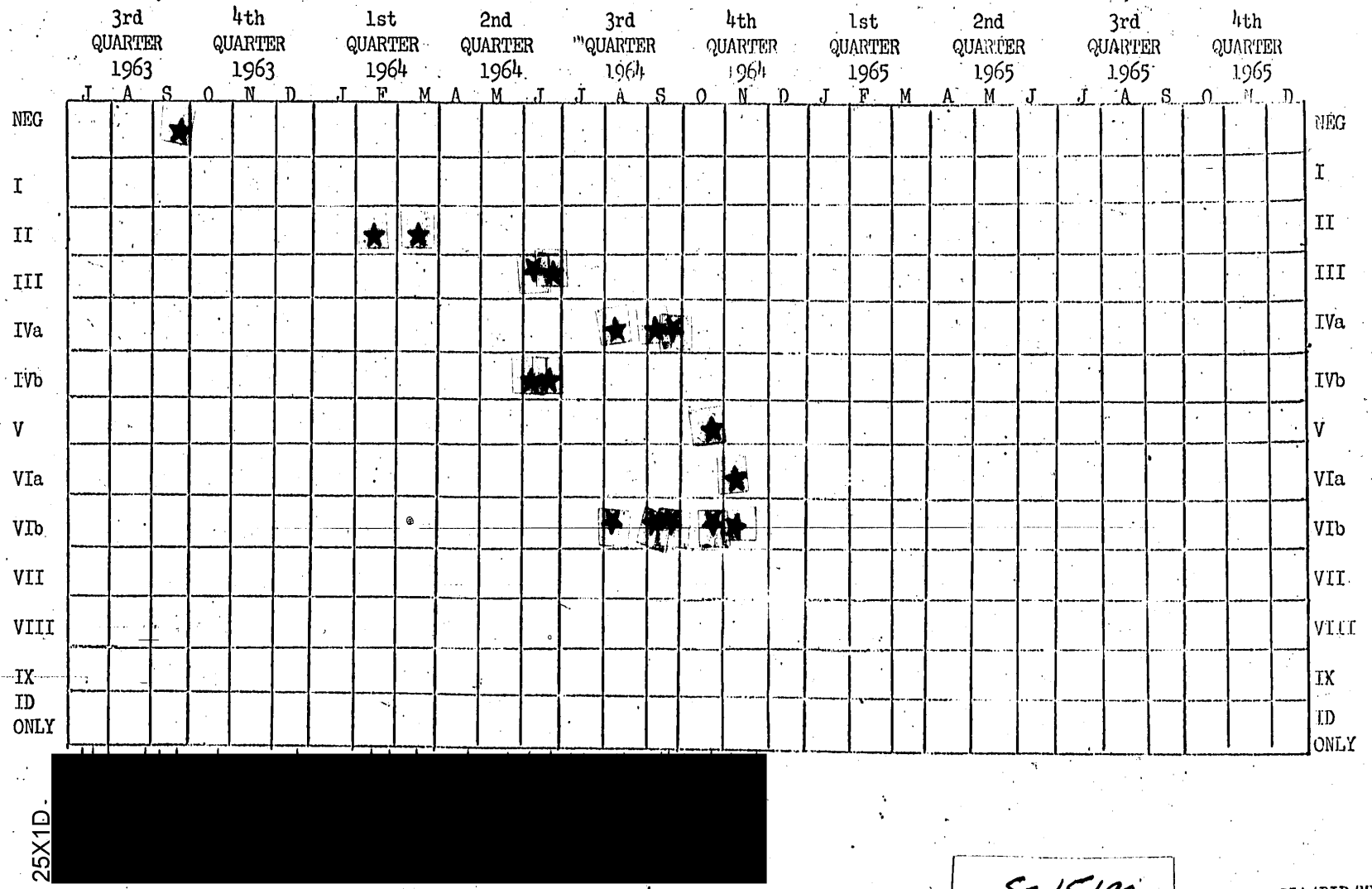
SINGLE SILO ICBM CONSTRUCTION TIMING

COMPLEX TYURATAM LAUNCH AREA I



STAGE OF CONSTRUCTION
(See separate legend for stage descriptions)

25X1D

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S-15192

CIA/PID/MEB-P-1035/64
Attachment to:
TCS 10913/64
MEB 565/64

TOP SECRET RUFF

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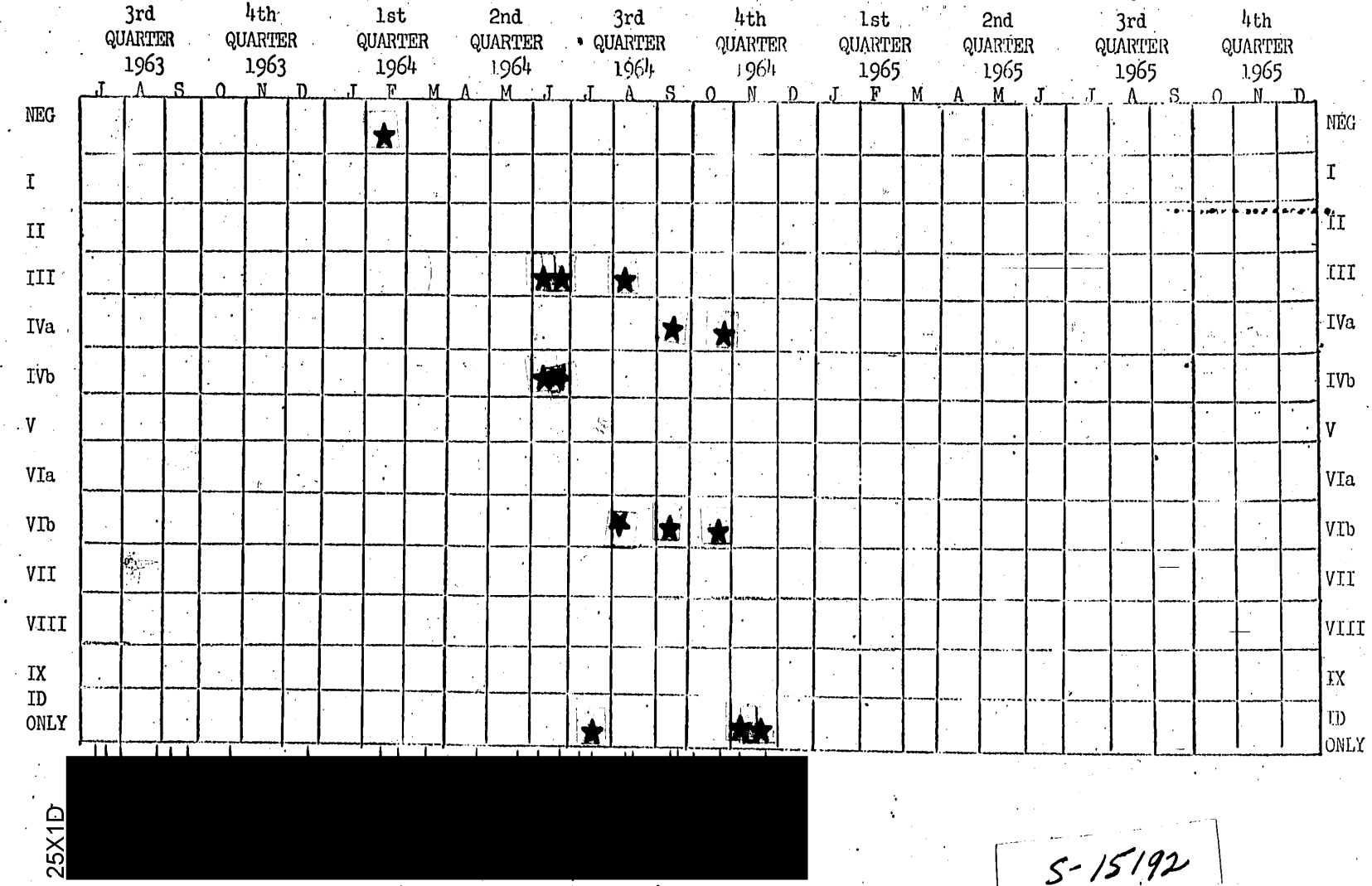
SINGLE SILO ICBM CONSTRUCTION TIMING

COMPLEX TYURATAM LAUNCH AREA K 1&2



STAGE OF CONSTRUCTION
(See separate legend for stage descriptions)

25X1D

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S-15192

CIA/PID/MEB-P-1035/64
Attachment to:
TCS 10973/64
MEB 565/64

TOP SECRET RUFF

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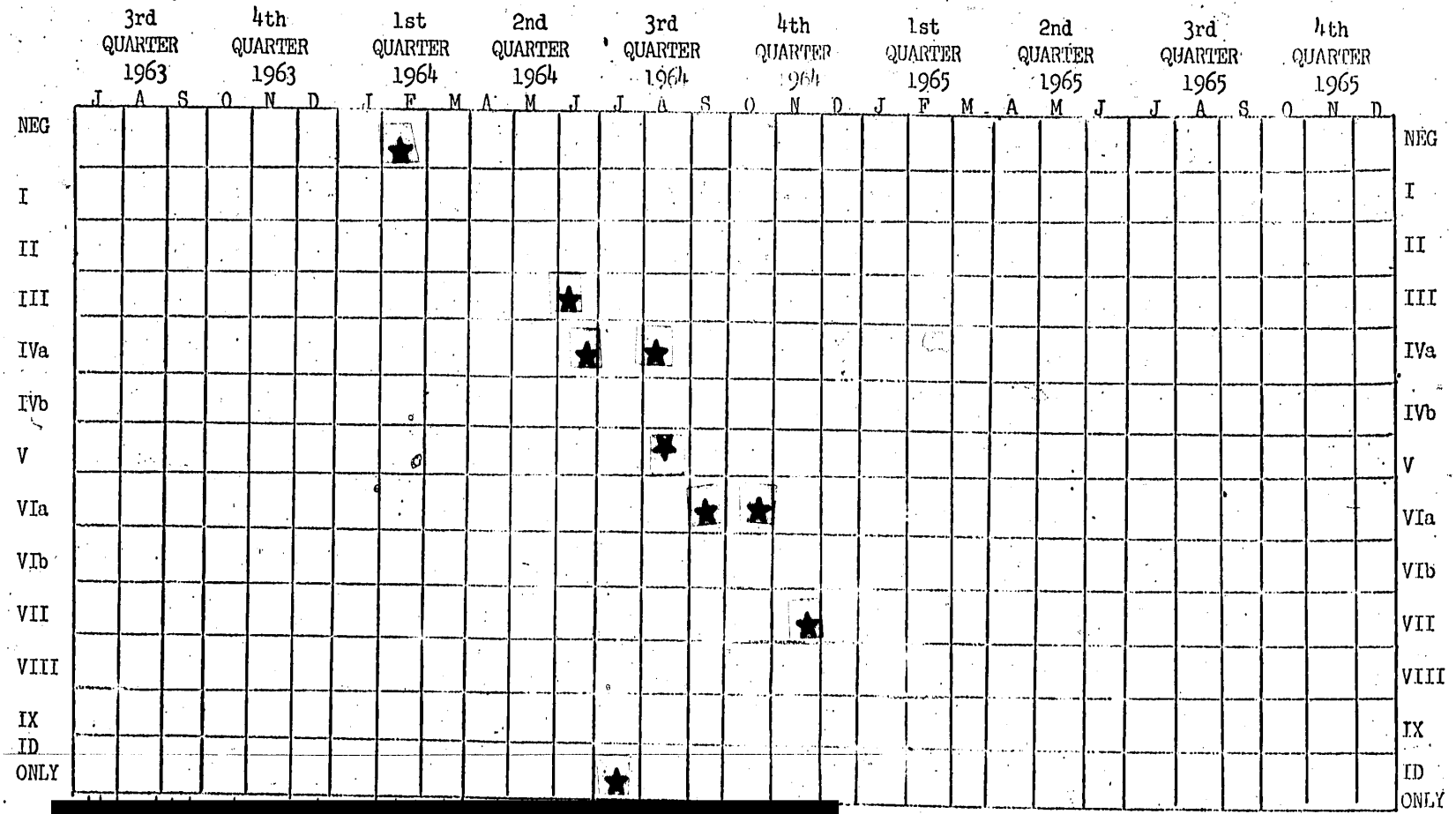
SINGLE SILO ICBM CONSTRUCTION TIMING

COMPLEX TYURATAM LAUNCH AREA G 8&9



STAGE OF CONSTRUCTION
(See separate legend for stage descriptions)

25X1D

COVERAGE BY MISSION

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CIA/PID/MEB-P-1035/64
Attachment to:
TCS 10913/64
MEB 565/64

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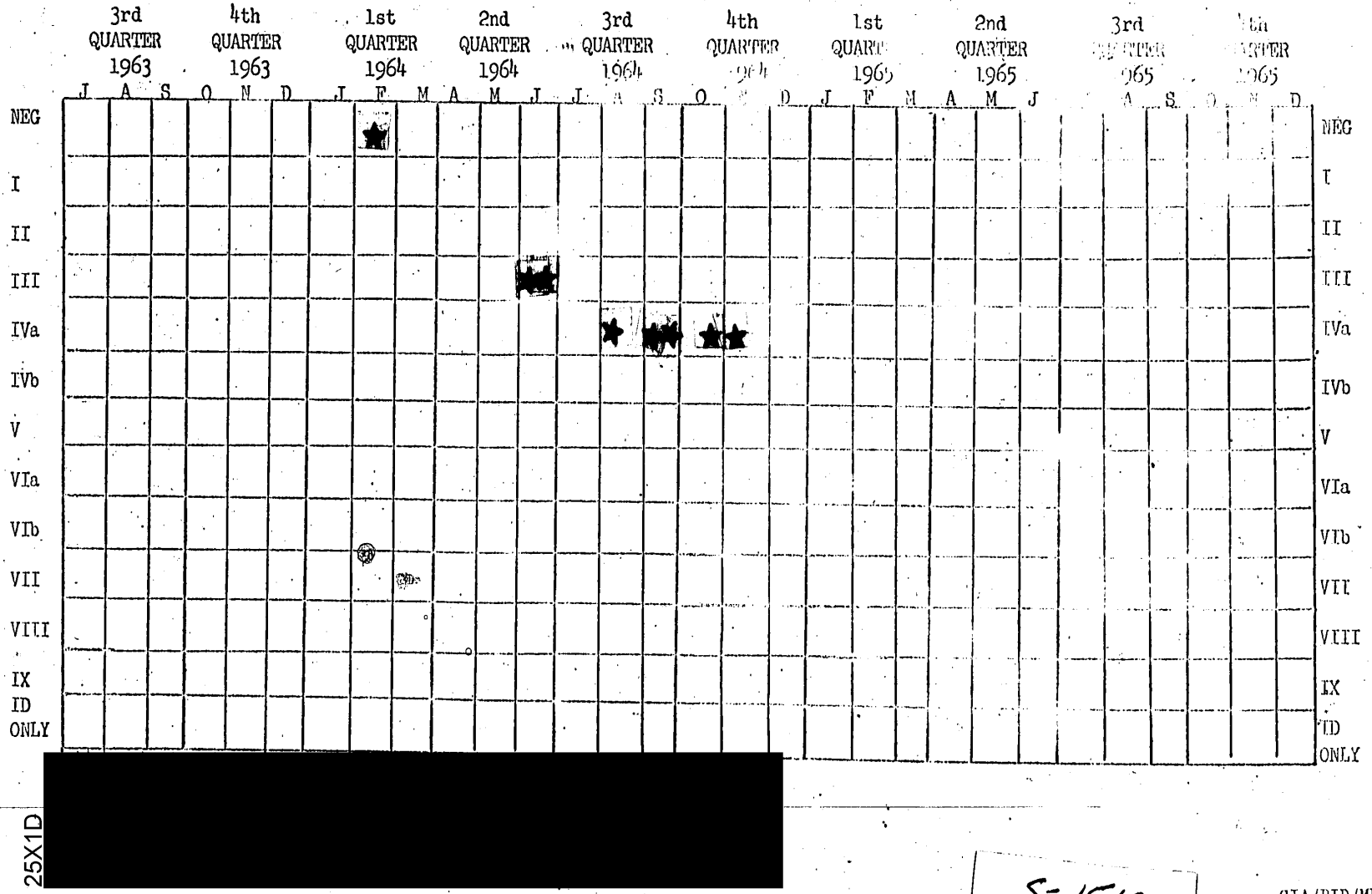
SINGLE SILO ICBM CONSTRUCTION TIMING

COMPLEX TYURATAM

LAUNCH AREA A 3



STAGE OF CONSTRUCTION
(See separate legend for stage descriptions)

COVERAGE BY MISSION

TOP SECRET RUFF

5-15192

CIA/PID/MEB-P-1035/64
Attachment to:
TCS 10913/64
MEB 565/64

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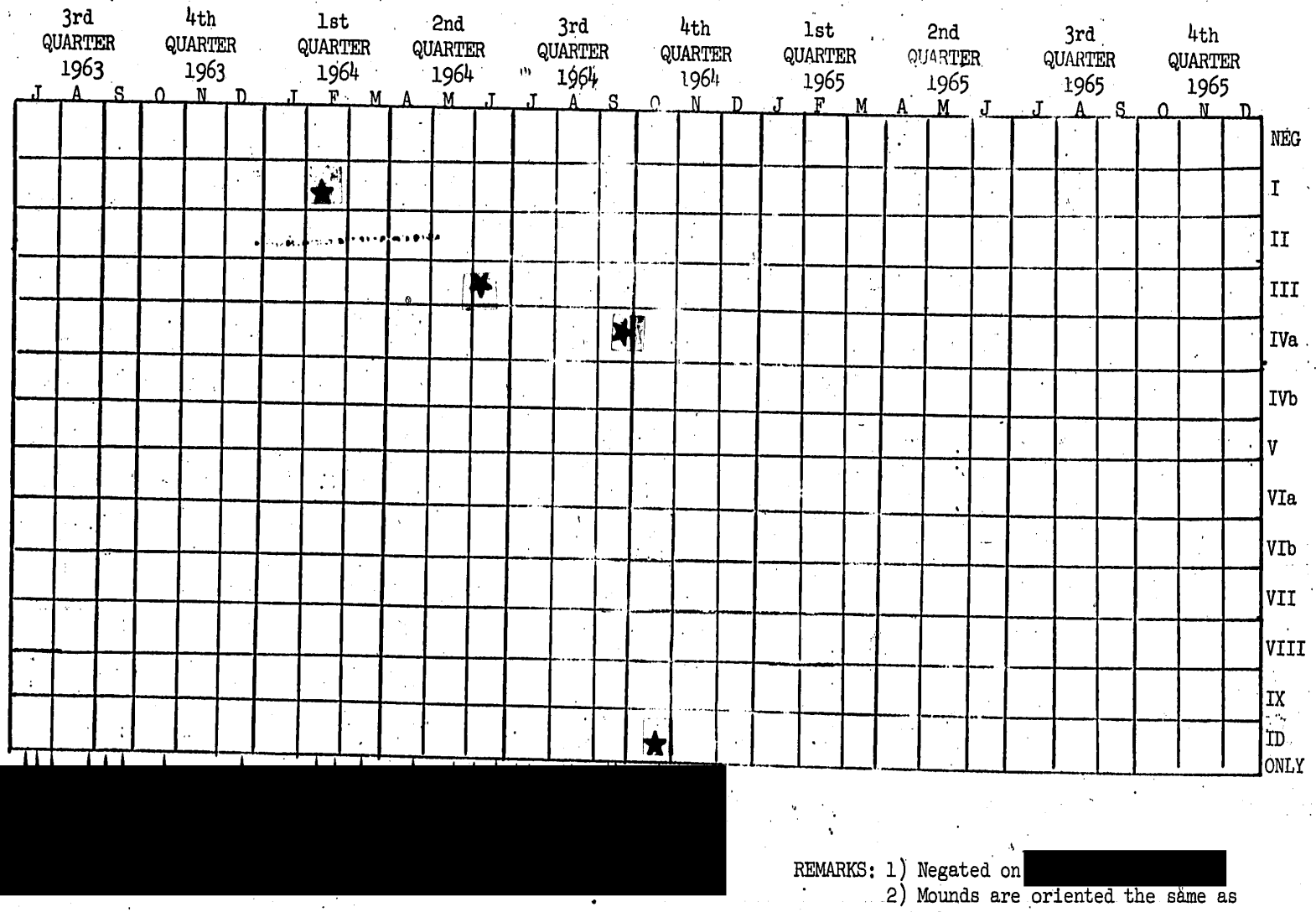
SINGLE SILO ICBM CONSTRUCTION TIMING

COMPLEX ZHANGIZ TOBE LAUNCH AREA A



STAGE OF CONSTRUCTION
(See separate legend for stage descriptions)

COVERAGE BY MISSION

REMARKS: 1) Negated on [redacted]
2) Mounds are oriented the same as others in the complex, but the excavation is at an angle to them.

25X1D

S-15192

CIA/PID/MEB-P-1035/64
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MEB 566/64

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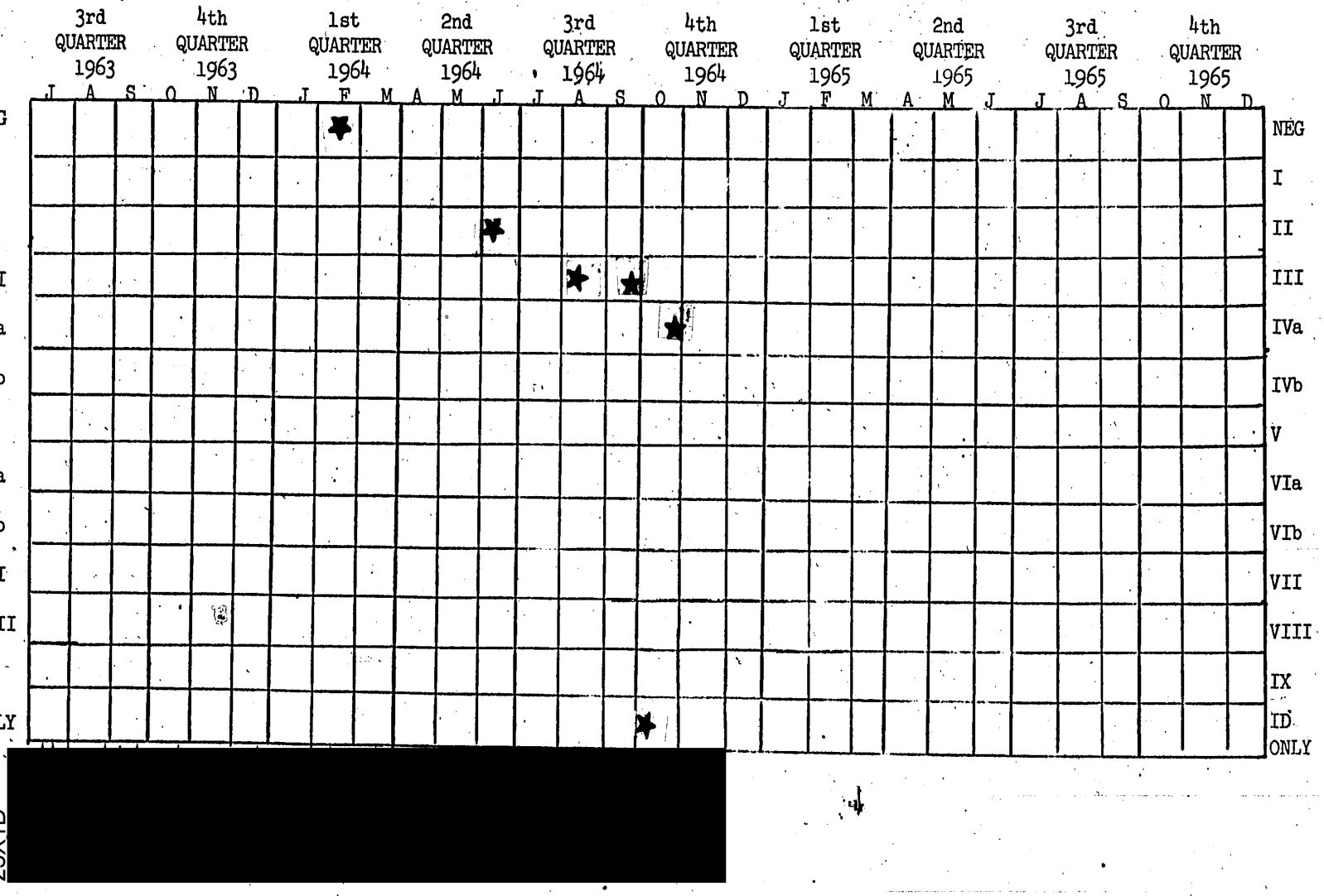
SINGLE SILO ICBM CONSTRUCTION TIMING

COMPLEX ZHANGIZ TOBE LAUNCH AREA B



STAGE OF CONSTRUCTION
(See separate legend for stage descriptions)

COVERAGE BY MISSION

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CIA/PID/MEB-P-1035/64
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TCS 10913/64
MEB 565/64

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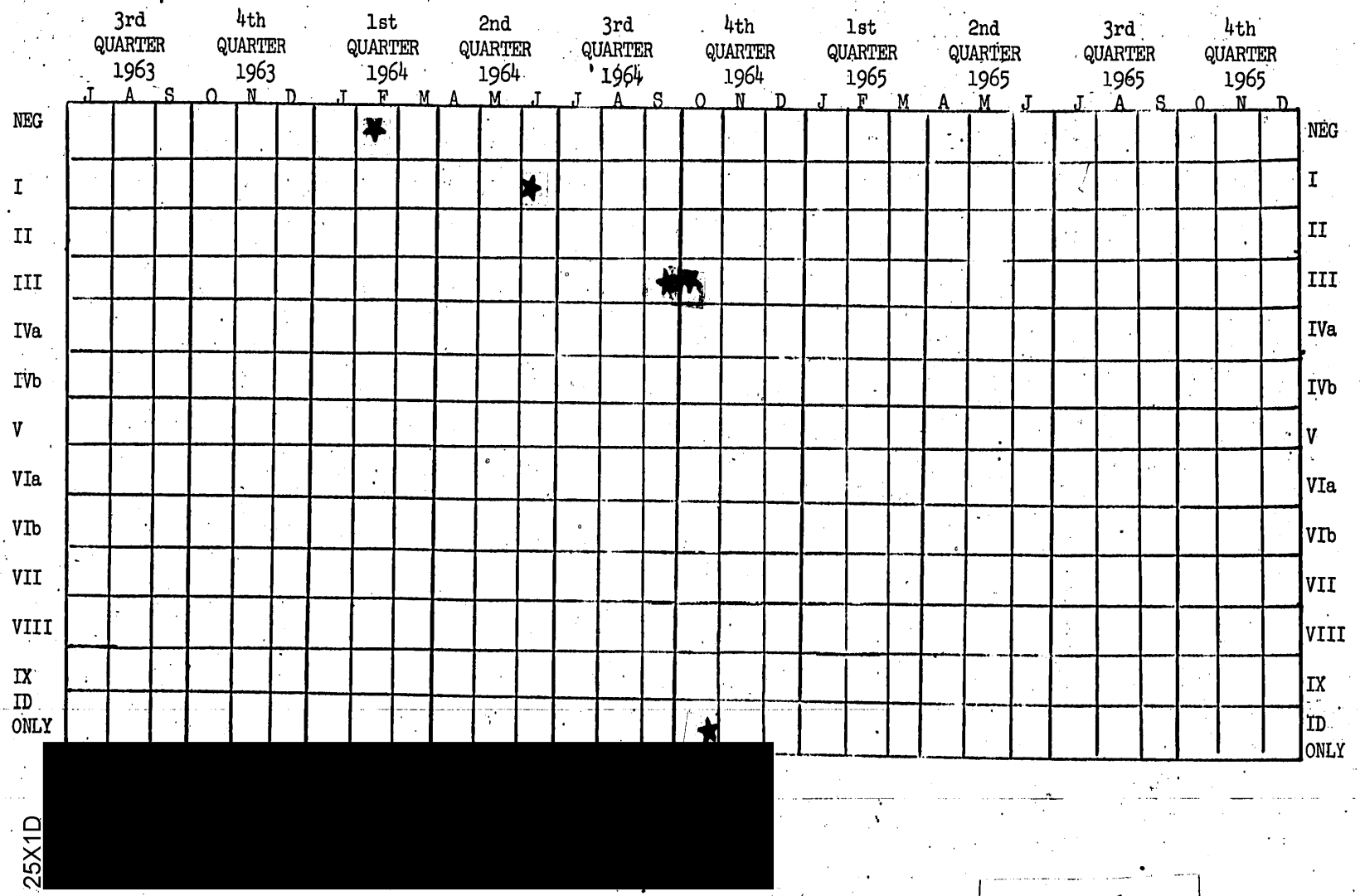
TOP SECRET RUFF
Approved For Release 2001/03/03 : CIA-RDP78T05439A000400230089-9

SINGLE SILO ICBM CONSTRUCTION TIMING

COMPLEX ZHANGIZ TOBE LAUNCH AREA C



STAGE OF CONSTRUCTION
(See separate legend for stage descriptions)

COVERAGE BY MISSION

S-15192

CIA/PID/MEB-P-1035/64
Attachment to:
TCS 10913/64
MEB 565/64

TOP SECRET RUFF

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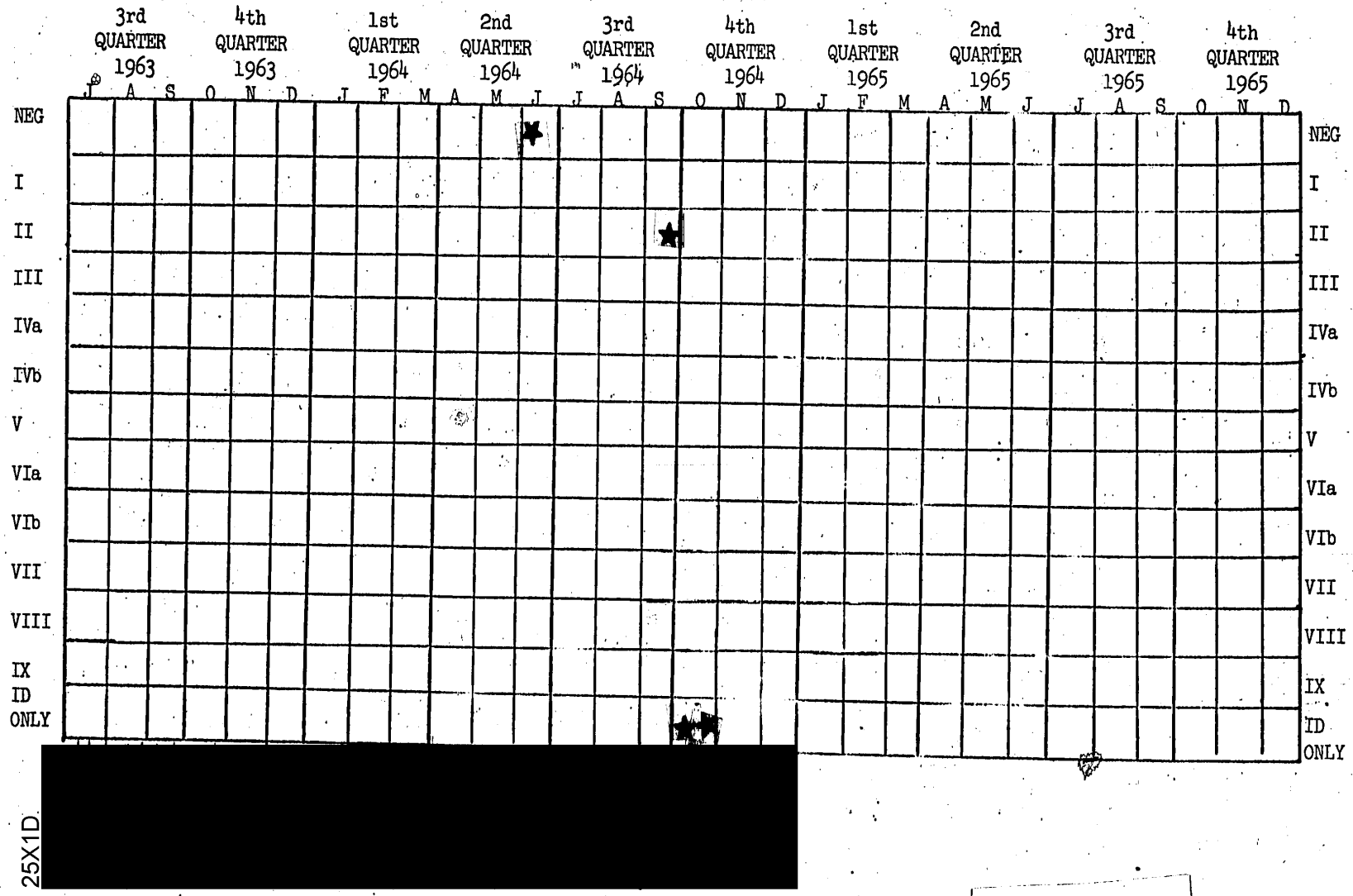
SINGLE SILO ICBM CONSTRUCTION TIMING

COMPLEX ZHANGIZ TOBE LAUNCH AREA D



STAGE OF CONSTRUCTION
(See separate legend for stage descriptions)

COVERAGE BY MISSION

TOP SECRET RUFF

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CIA/PID/MEB-P-1035/64
Attachment to:
TCS 10913/64
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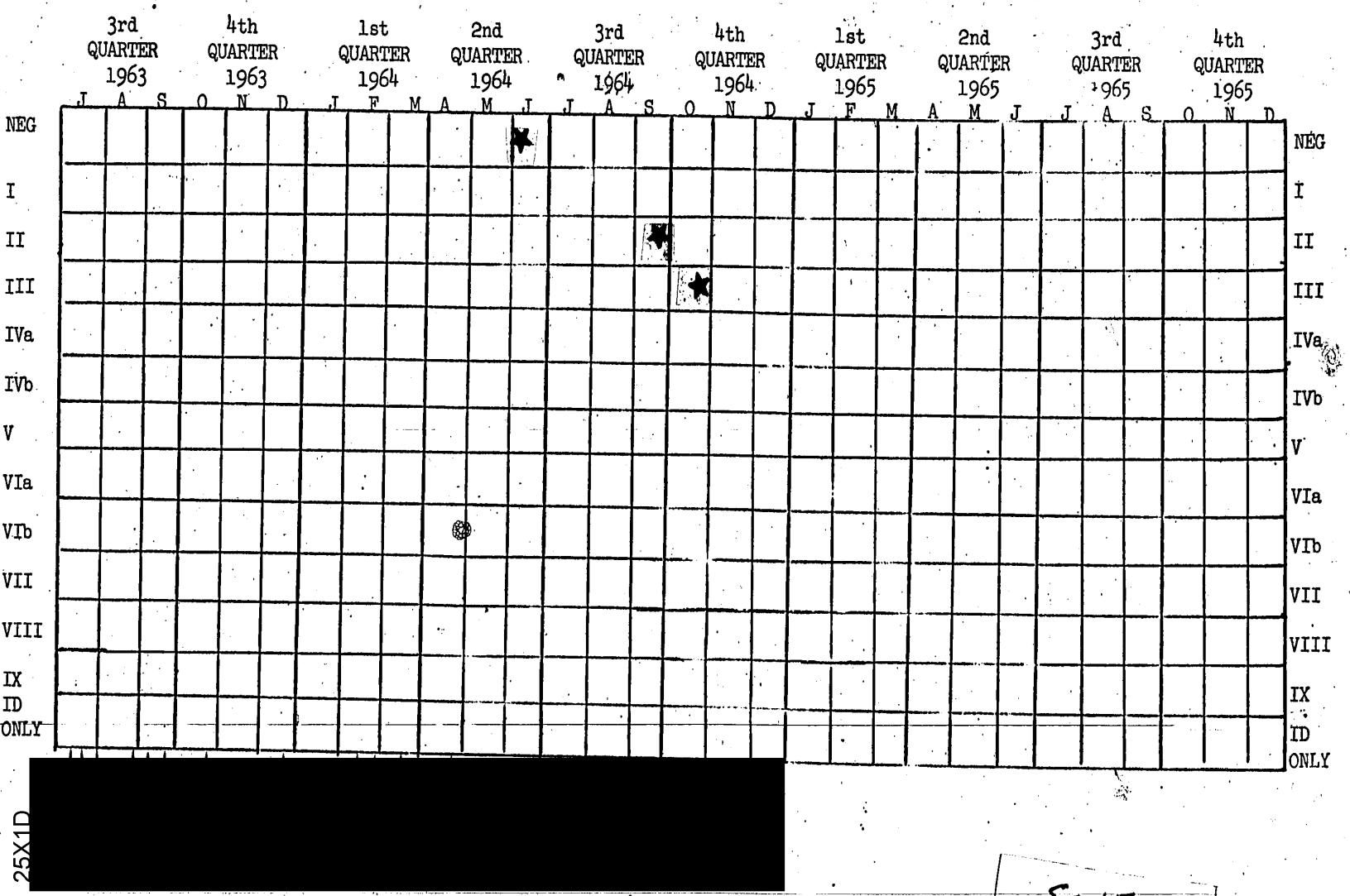
SINGLE SILO ICBM CONSTRUCTION TIMING

COMPLEX ZHANGIZ TOBE LAUNCH AREA E



STAGE OF CONSTRUCTION
(See separate legend for stage descriptions)

COVERAGE BY MISSION

TOP SECRET RUFF

S-15192

CIA/PID/MEB-P-1035/64
Attachment to:
TCS 10913/64
MEB 565/64